

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034722.D
 Acq On : 27 Feb 2020 23:56
 Operator : SY/AP
 Sample : L1661-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 3:29:18 PM

Quant Time: Feb 28 11:45:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 28 2020
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1066898	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2246154	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2241818	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1876918	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	21916m	0.130	ppbv	
4) Chloromethane	3.11	50	18392	0.285	ppbv #	59
5) Vinyl Chloride	3.22	62	3105m	0.049	ppbv	
7) Chloroethane	3.53	64	5916	0.252	ppbv #	88
9) Propene	2.99	41	56887m	1.182	ppbv	
10) Heptane	8.13	43	77324	0.624	ppbv	96
11) Trichlorofluoromethane	3.93	101	44411	0.301	ppbv	93
13) Ethanol	3.59	45	3839460	252.524	ppbv	99
15) Acetone	3.82	43	2685607	22.090	ppbv	98
17) tert-Butyl alcohol	4.29	59	613545	6.586	ppbv	100
19) Isopropyl Alcohol	3.96	45	5170609	71.403	ppbv #	98
20) Methylene Chloride	4.33	84	31347m	0.693	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	6135m	0.135	ppbv	
26) Hexane	5.69	57	93608	0.944	ppbv #	74
29) Chloroform	5.75	83	74716	0.473	ppbv	96
30) Cyclohexane	7.14	84	34838m	0.453	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	270003	2.766	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	20494m	0.139	ppbv	
34) 2-Butanone	5.24	43	422447	2.988	ppbv	97
35) Carbon Tetrachloride	7.02	117	12945m	0.086	ppbv	
36) Benzene	6.90	78	98689	0.509	ppbv	97
38) Trichloroethene	7.85	130	690641	9.236	ppbv	97
41) Tetrahydrofuran	6.05	42	205902	2.759	ppbv	99
44) 2,2,4-Trimethylpentane	7.89	57	250177m	0.738	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	122395	0.611	ppbv	94
52) Tetrachloroethene	11.25	164	12076	0.170	ppbv #	56
53) Toluene	9.83	91	1011177	4.901	ppbv	100
58) Ethyl Benzene	12.74	91	266005	0.981	ppbv	97
59) m/p-Xylene	13.00	91	781005	3.301	ppbv	100
60) o-Xylene	13.73	91	322368	1.373	ppbv	98
61) Styrene	13.56	104	23249m	0.154	ppbv	
64) n-propylbenzene	15.61	120	18383m	0.208	ppbv	
69) p-Isopropyltoluene	17.70	119	534901	1.527	ppbv	96
70) n-Butylbenzene	18.61	91	45134m	0.118	ppbv	
72) 4-Ethyltoluene	15.88	105	113951m	0.436	ppbv	
73) 1,3,5-Trimethylbenzene	16.04	105	87605	0.349	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	386022	1.391	ppbv #	70
76) 1,4-Dichlorobenzene	17.18	146	30488	0.190	ppbv	89
79) Naphthalene	22.27	128	70457m	0.288	ppbv	

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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SG-2-MUSIC-RM

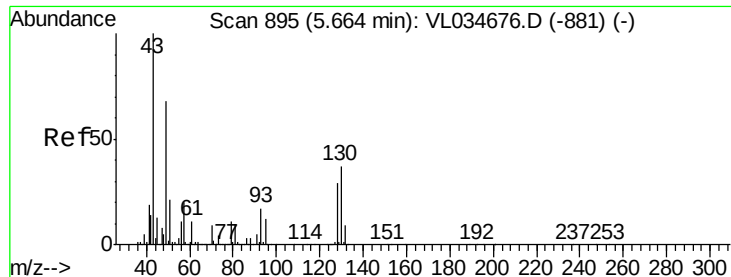
Manual Integrations
APPROVED

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2/28/2020 3:29:18 PM

Quant Time: Feb 28 11:45:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 2
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

Tot Ion: 49 Resp: 1066898

Ion Ratio Lower Upper

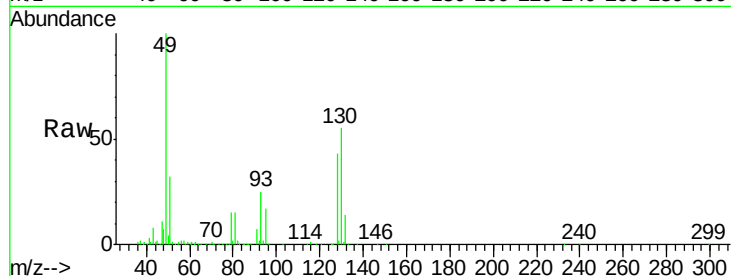
49 100

128 44.0 21.6 65.0

130 56.2 27.7 83.1

Manual Integrations
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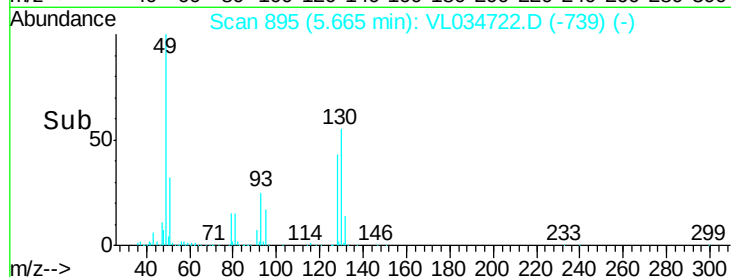


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

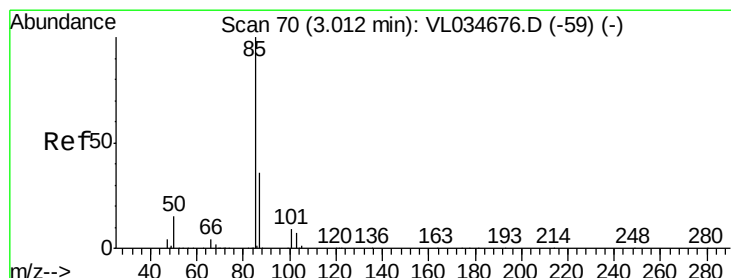
Ion 130.00 (129.70 to 130.70): V

Time-->



5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 0.130 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL034722.D

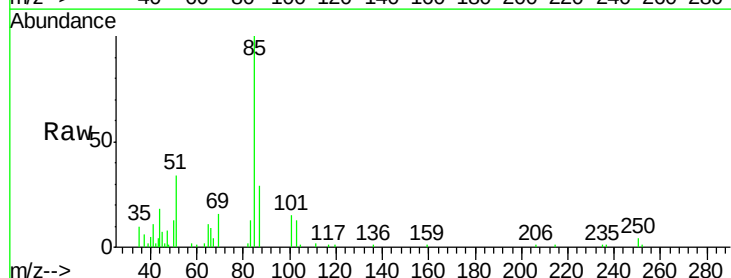
Acq: 27 Feb 2020 23:56

Tgt Ion: 85 Resp: 21916

Ion Ratio Lower Upper

85 100

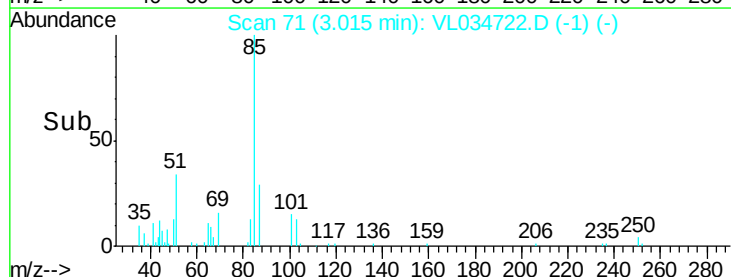
87 28.9 29.2 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

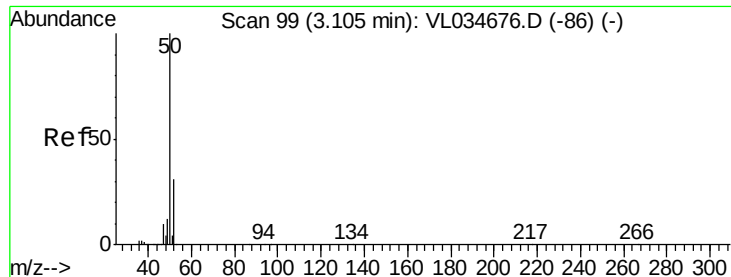
Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.02

Time-->



#4

Chloromethane

Concen: 0.285 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

Tot Ion: 50 Resp: 18392

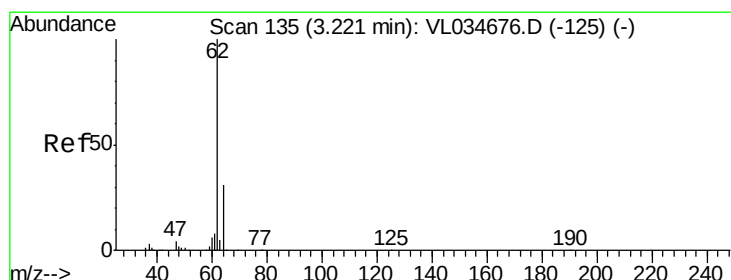
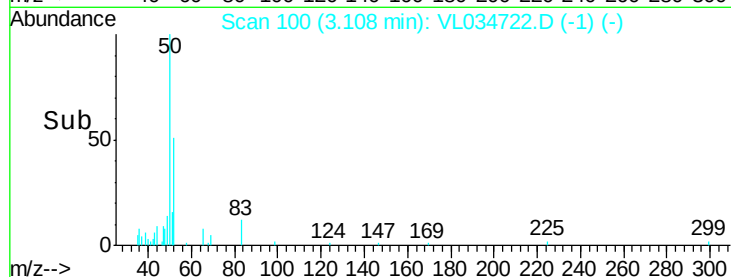
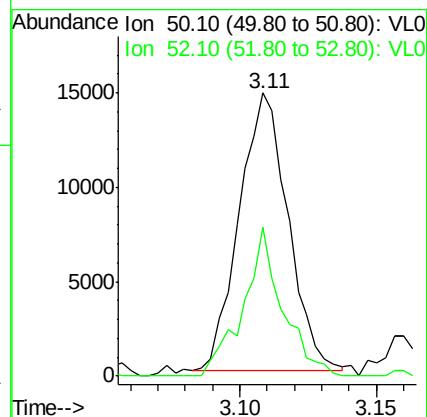
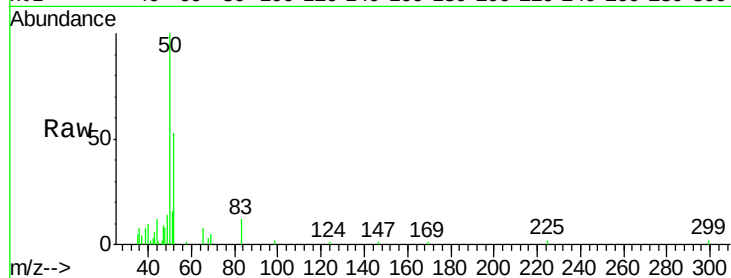
Ion Ratio Lower Upper

50 100

52 53.6 25.0 37.4#

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#5

Vinyl Chloride

Concen: 0.049 ppbv m

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034722.D

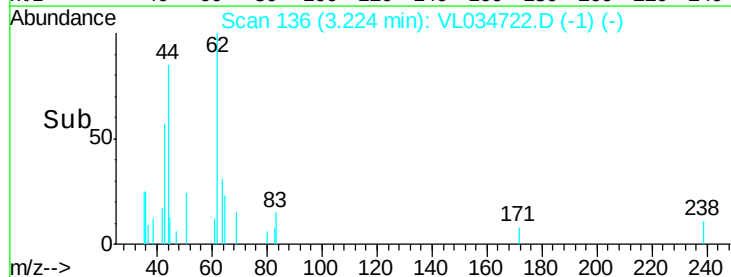
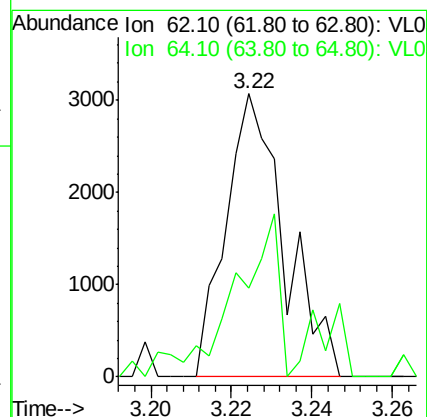
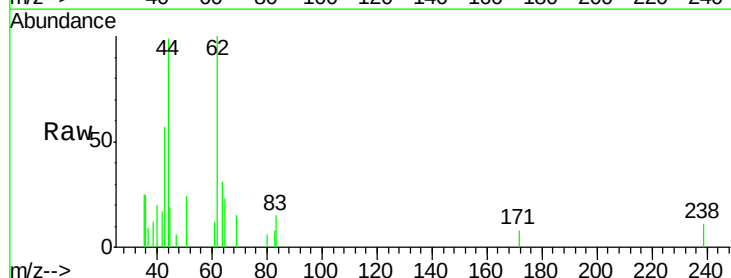
Acq: 27 Feb 2020 23:56

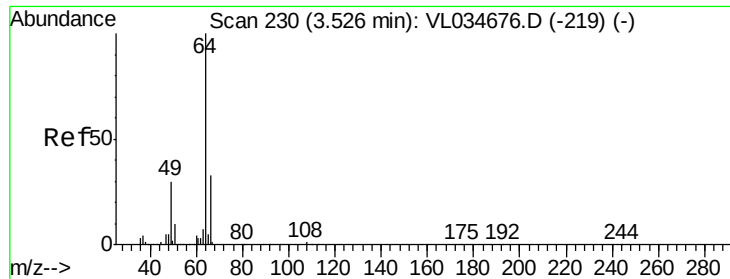
Tgt Ion: 62 Resp: 3105

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#7

Chloroethane

Concen: 0.252 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

Tot Ion: 64 Resp: 5916

Ion Ratio Lower Upper

64 100

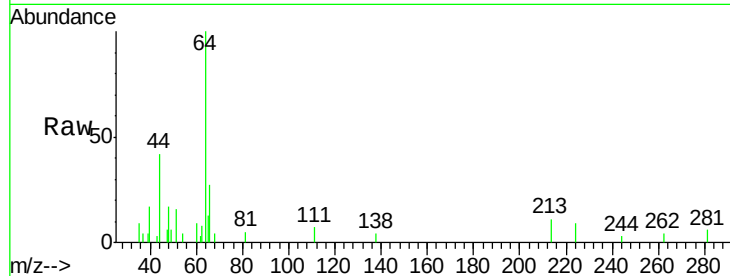
66 26.6 26.7 40.1#

Manual Integrations

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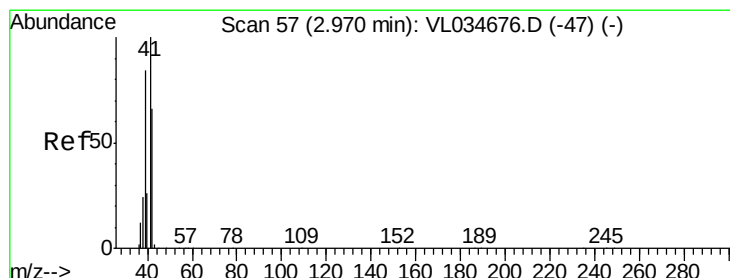
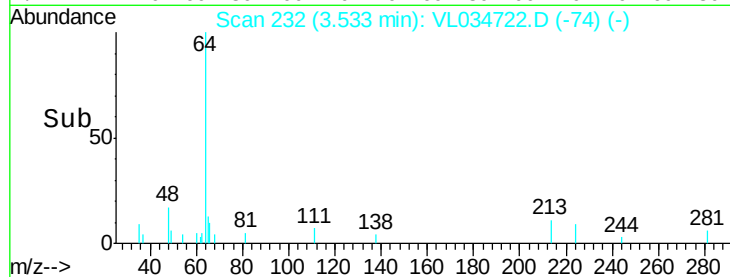
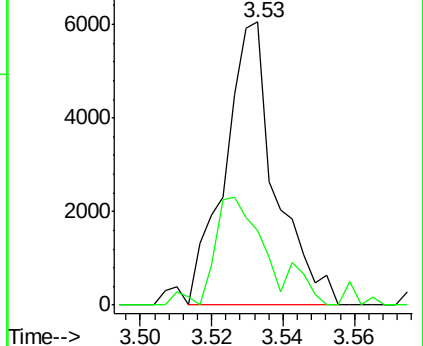
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 1.182 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034722.D

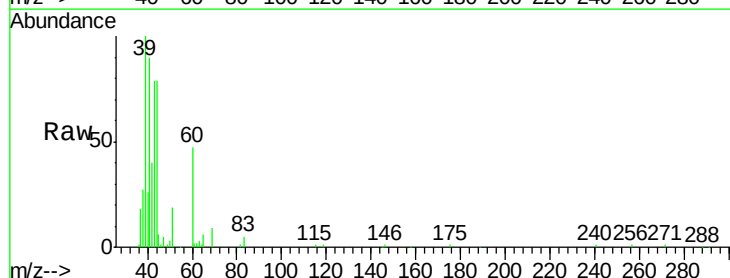
Acq: 27 Feb 2020 23:56

Tgt Ion: 41 Resp: 56887

Ion Ratio Lower Upper

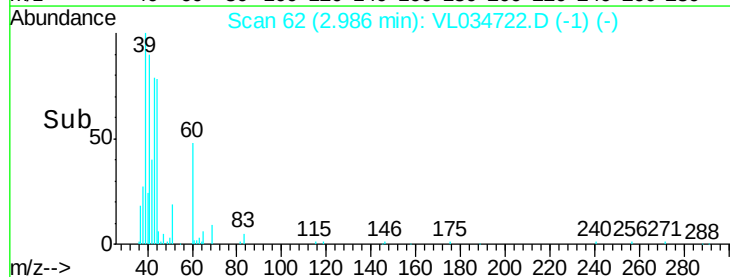
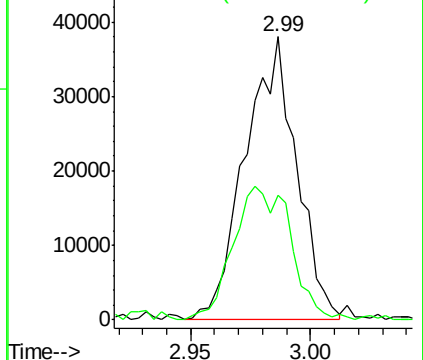
41 100

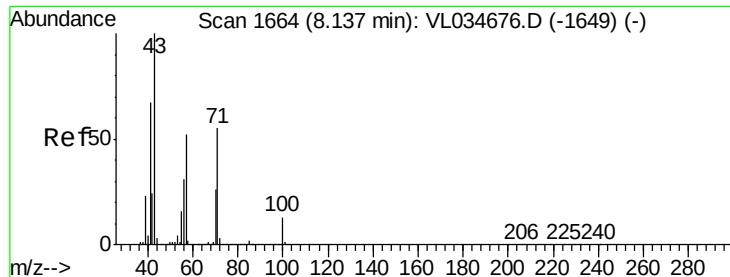
42 54.2 54.9 82.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.624 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

Tot Ion: 43 Resp: 77324

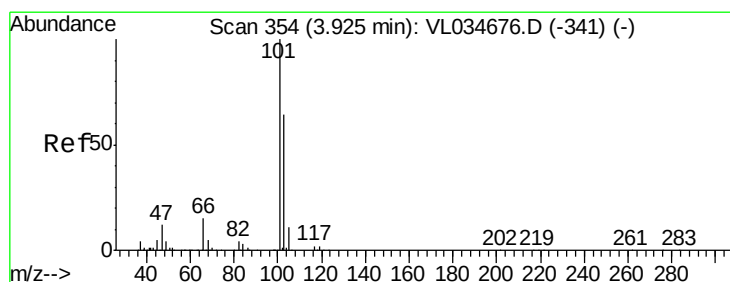
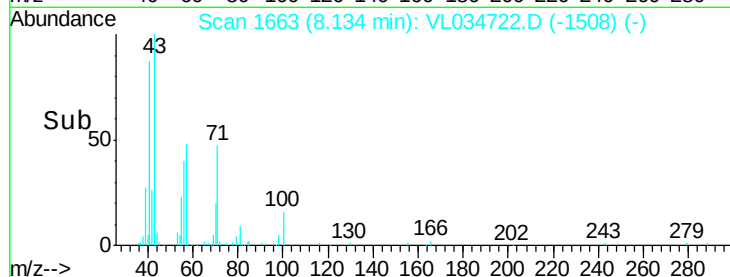
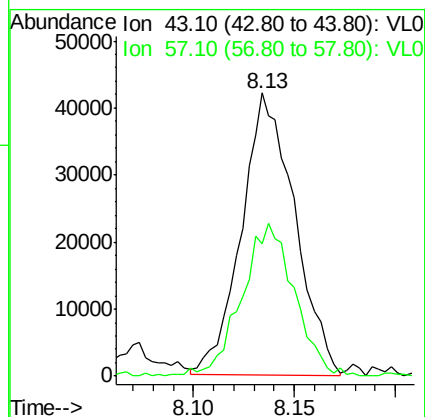
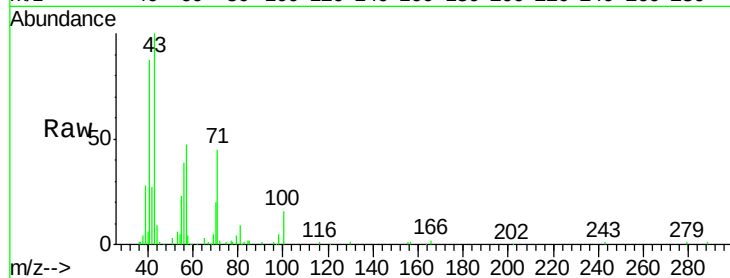
Ion Ratio Lower Upper

43 100

57 54.4 41.0 61.6

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#11

Trichlorofluoromethane

Concen: 0.301 ppbv

RT: 3.93 min Scan# 354

Delta R.T. 0.00 min

Lab File: VL034722.D

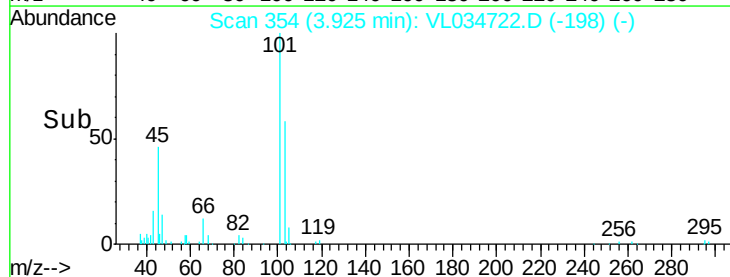
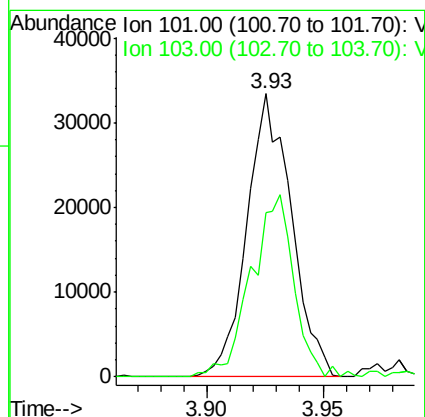
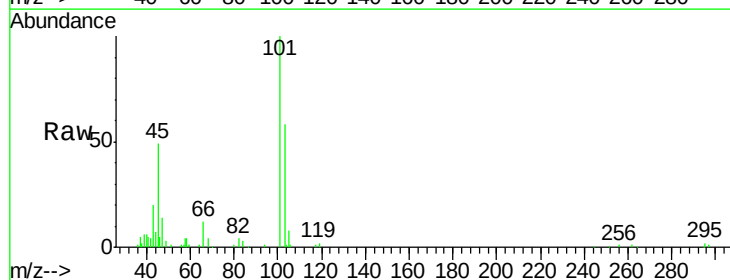
Acq: 27 Feb 2020 23:56

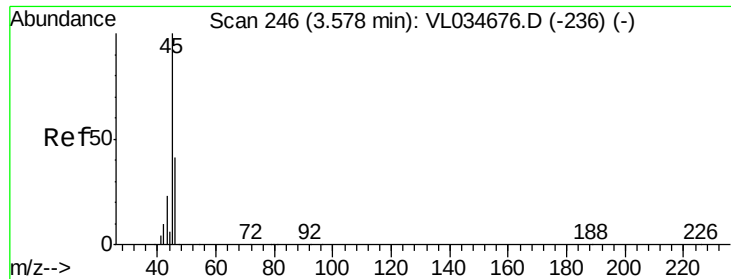
Tgt Ion: 101 Resp: 44411

Ion Ratio Lower Upper

101 100

103 58.2 51.2 76.8





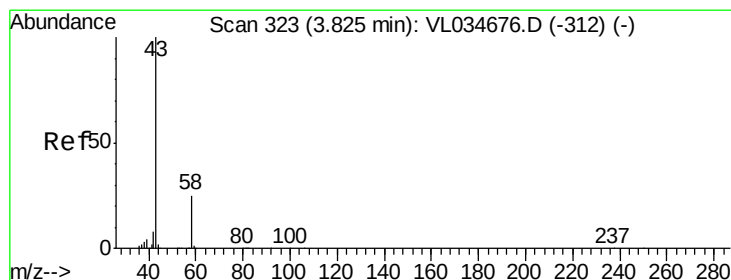
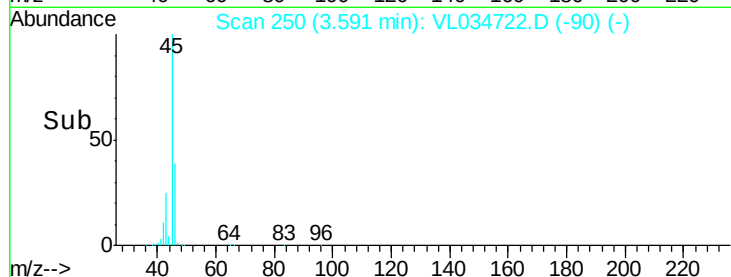
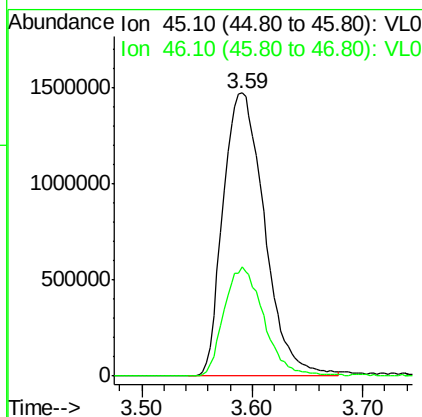
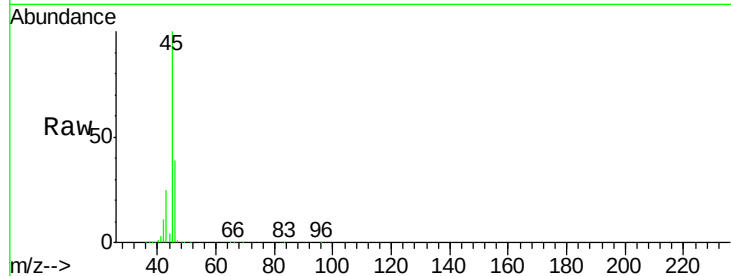
#13
Ethanol
Concen: 252.524 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Tot Ion: 45 Resp: 3839460
Ion Ratio Lower Upper
45 100
46 37.7 15.4 61.4

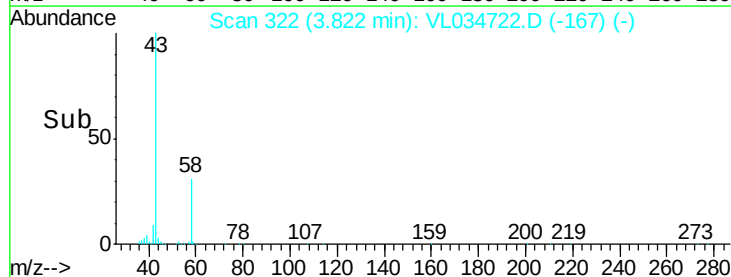
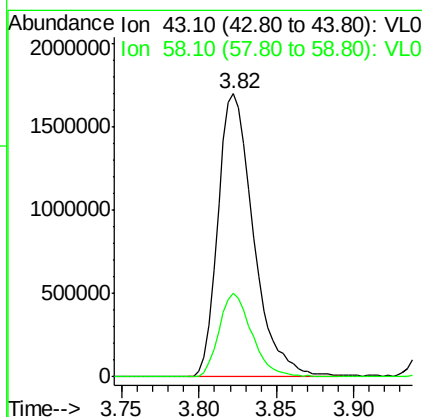
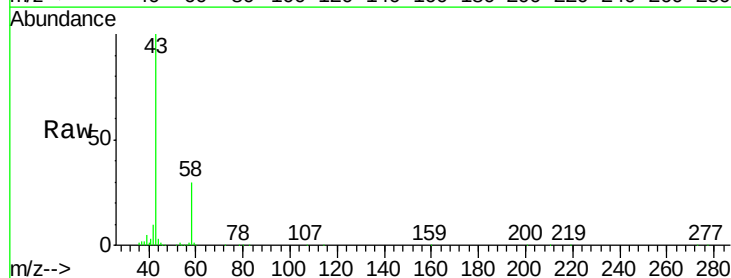
Manual Integrations
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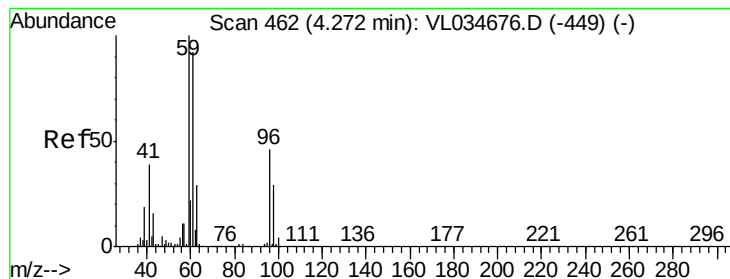
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#15
Acetone
Concen: 22.090 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion: 43 Resp: 2685607
Ion Ratio Lower Upper
43 100
58 27.9 21.4 32.0





#17

tert-Butyl alcohol

Concen: 6.586 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.02 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

Tot Ion: 59 Resp: 613545

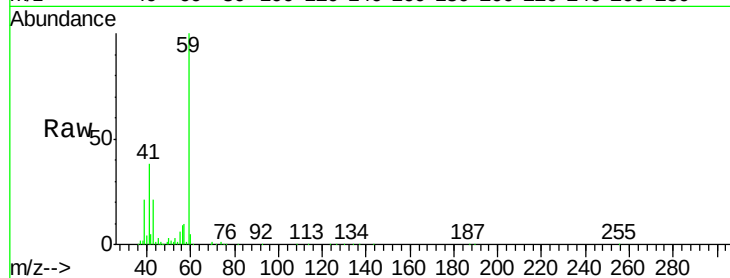
Ion Ratio Lower Upper

59 100

57 10.9 8.8 13.2

Manual Integrations
APPROVED

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2/28/2020 3:29:18 PM



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

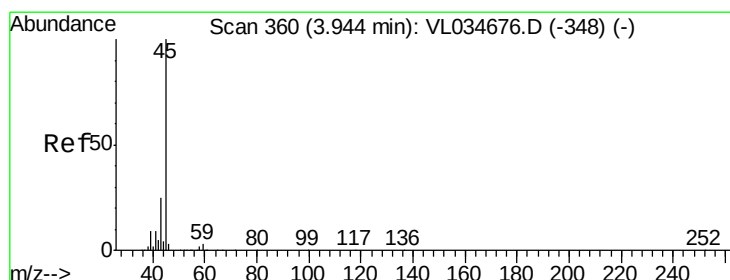
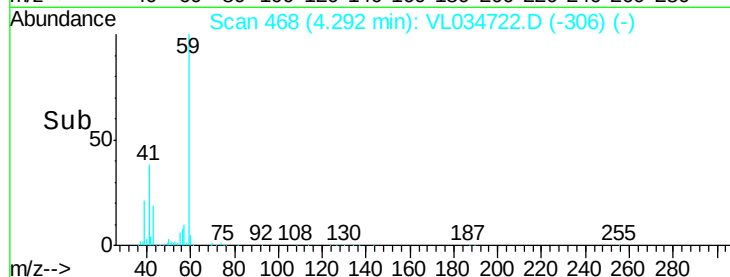
300000

200000

100000

0

Time-->



#19

Isopropyl Alcohol

Concen: 71.403 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL034722.D

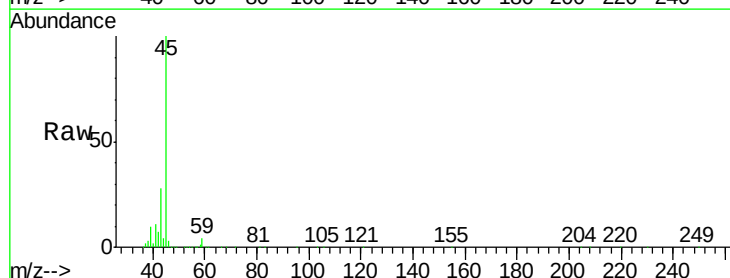
Acq: 27 Feb 2020 23:56

Tgt Ion: 45 Resp: 5170609

Ion Ratio Lower Upper

45 100

58 1.5 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

2500000

2000000

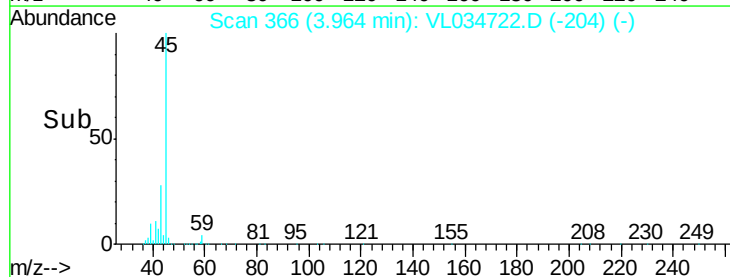
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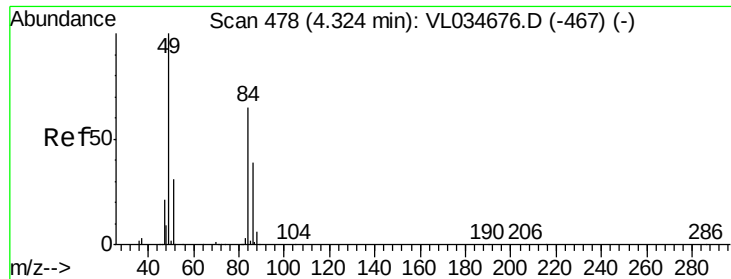
1000000

500000

0

Time-->





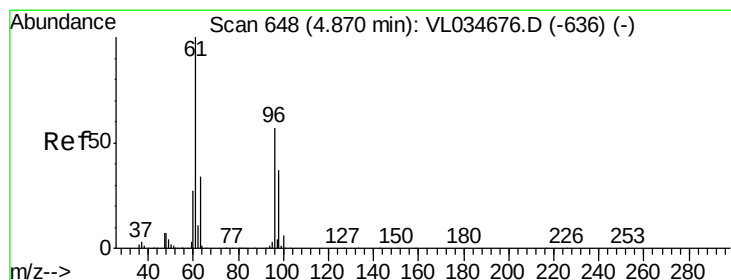
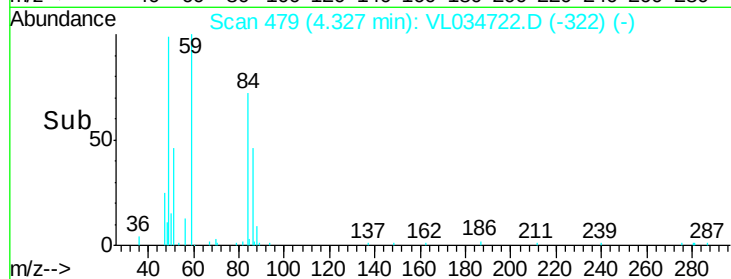
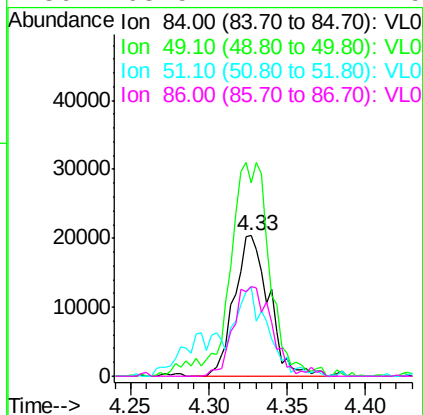
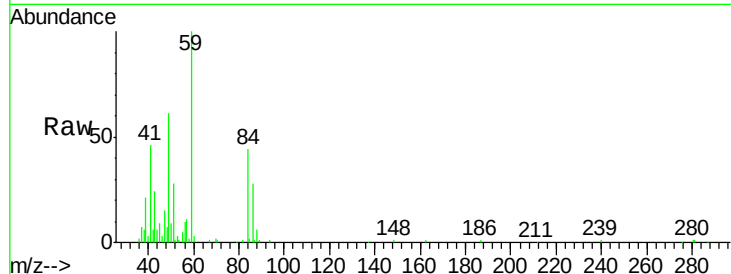
#20
Methylene Chloride
Concen: 0.693 ppbv m
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Tot Ion	Ratio	Lower	Upper
84	100		
49	137.9	122.8	184.2
51	63.5	38.6	58.0#
86	63.5	47.7	71.5

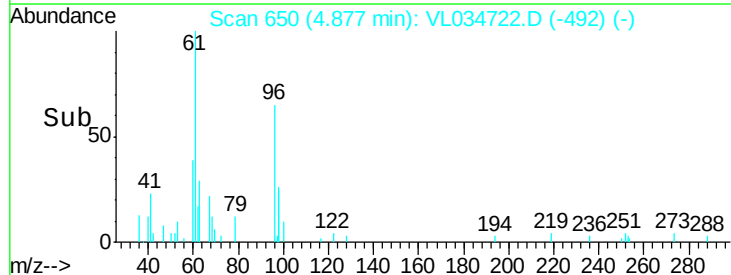
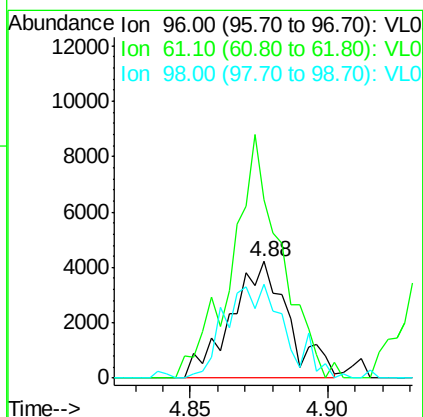
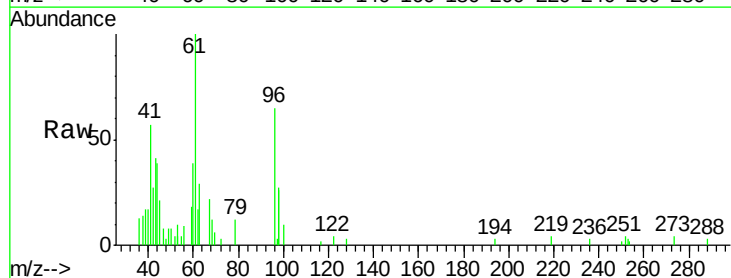
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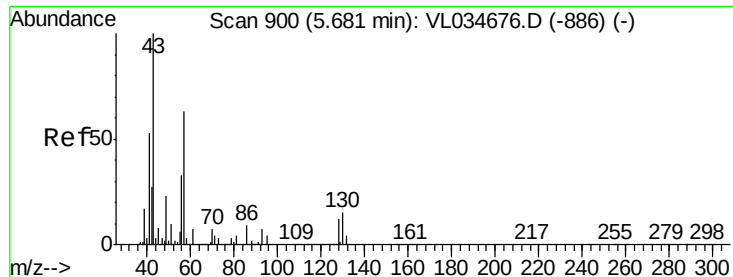
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.135 ppbv m
RT: 4.88 min Scan# 650
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.7	139.4	209.0
98	41.5	51.3	76.9#





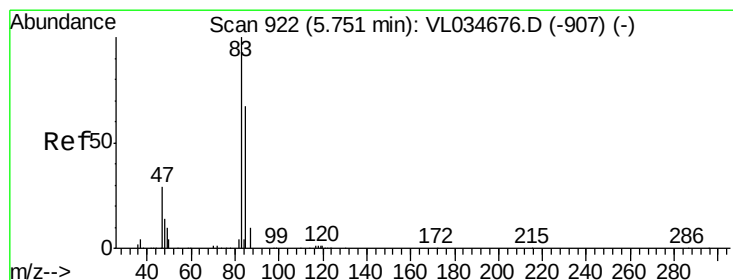
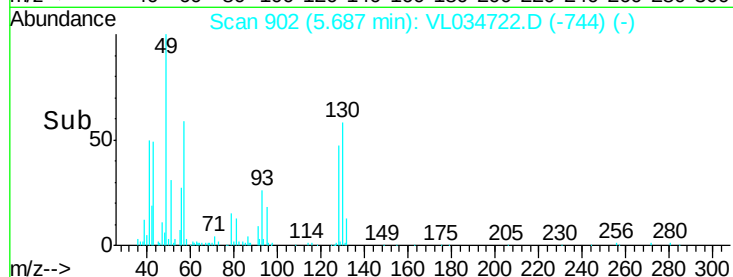
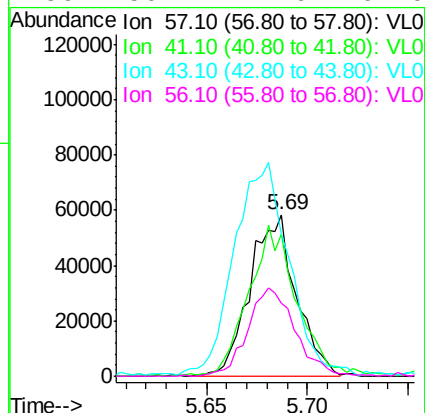
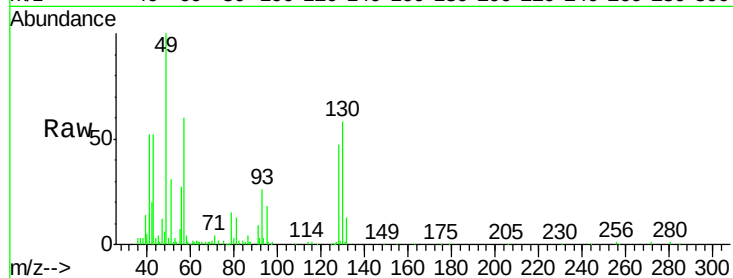
#26
Hexane
Concen: 0.944 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Tot Ion	Ratio	Lower	Upper
57	100		
41	97.2	70.3	105.5
43	160.2	177.0	265.4#
56	56.4	42.6	64.0

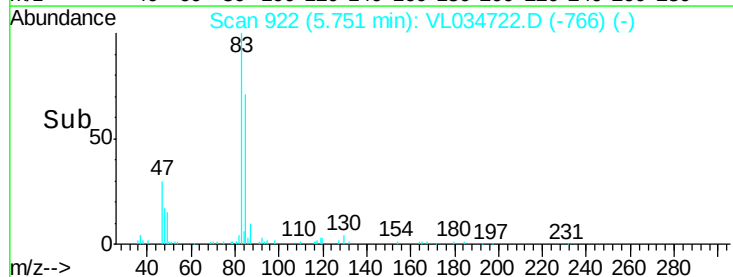
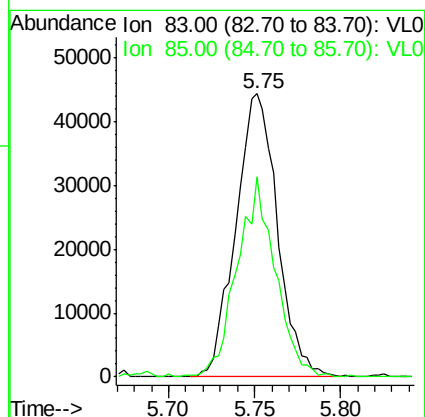
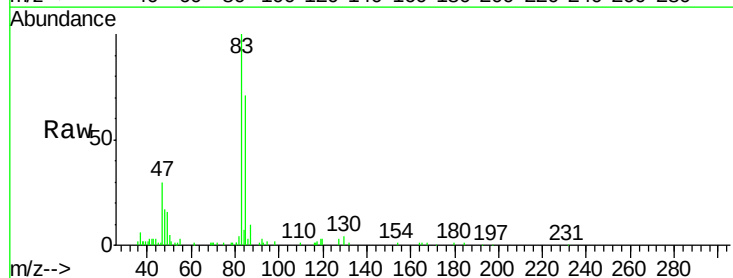
Manual Integrations
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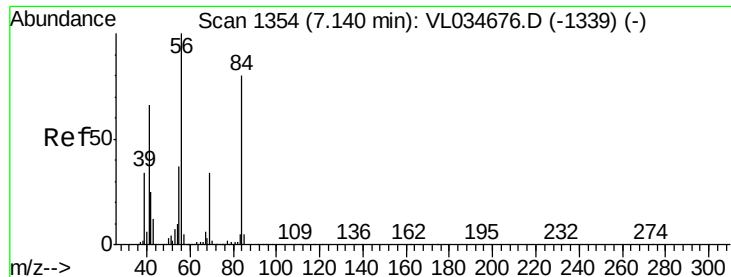
MMDadoda
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#29
Chloroform
Concen: 0.473 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.7	53.9	80.9





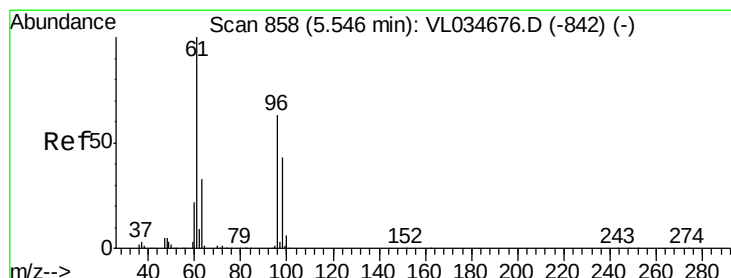
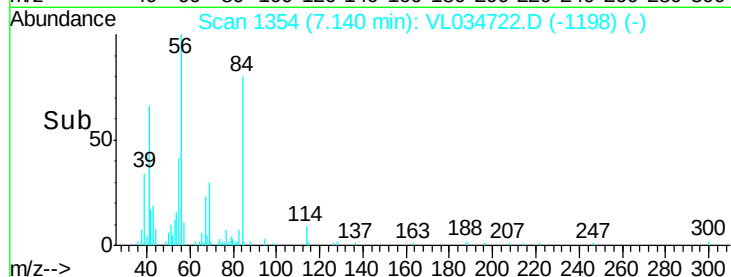
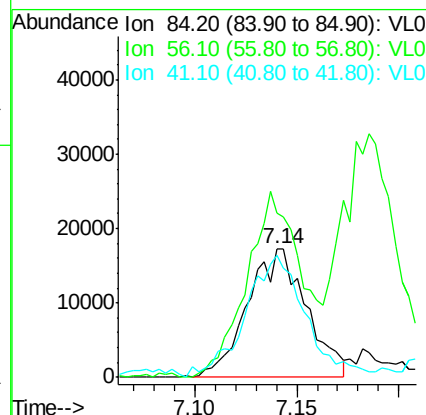
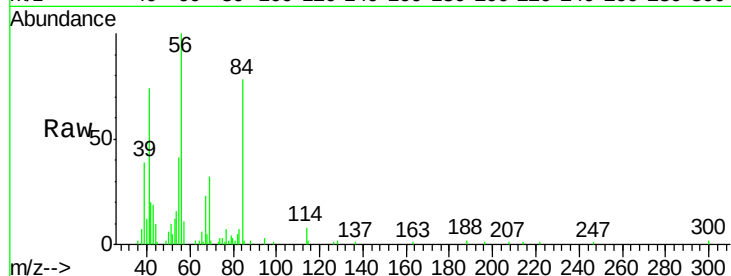
#30
Cyclohexane
Concen: 0.453 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.4	170.2#
41	98.5	68.2	102.4

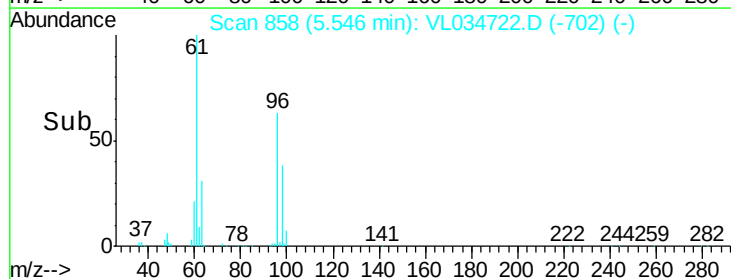
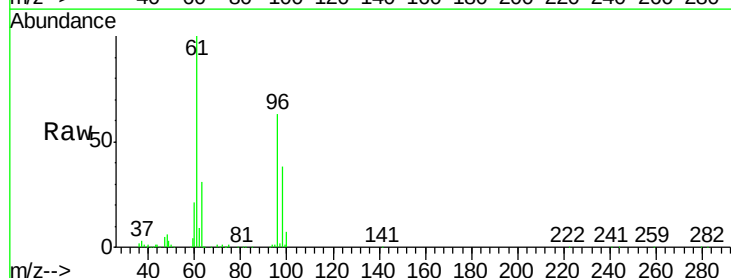
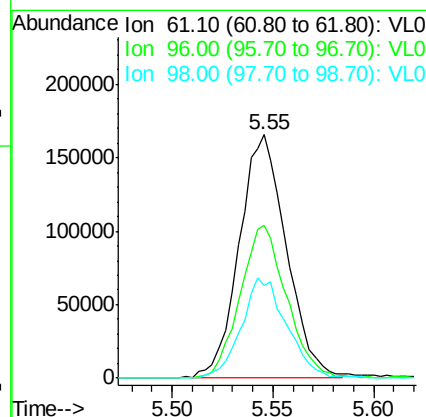
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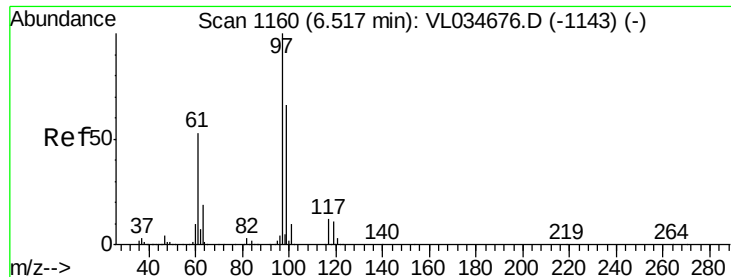
MMDadoda
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#31
cis-1,2-Dichloroethene
Concen: 2.766 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.4	50.2	75.2
98	38.1	34.3	51.5





#32

1,1,1-Trichloroethane

Concen: 0.139 ppbv m

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

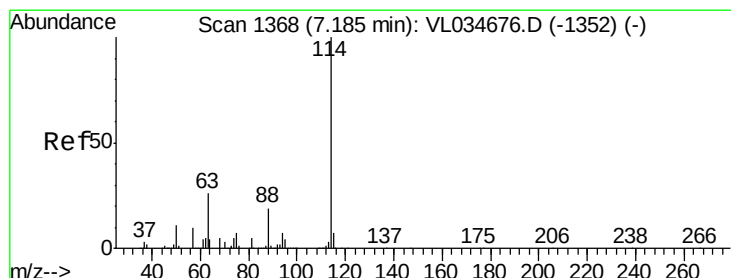
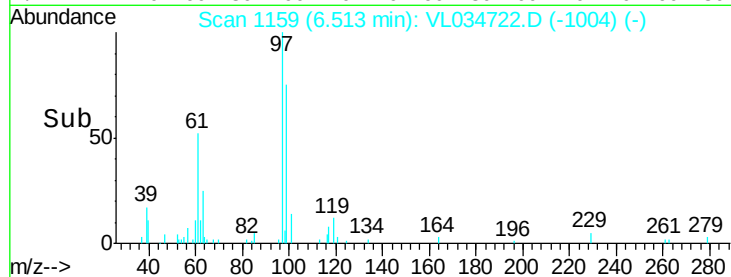
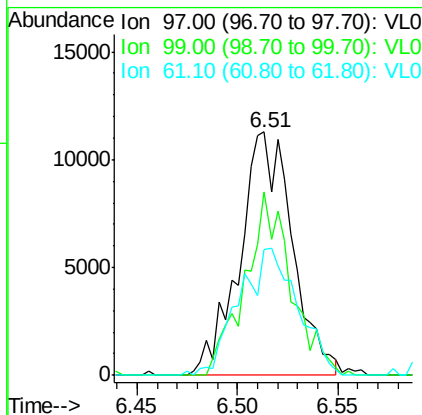
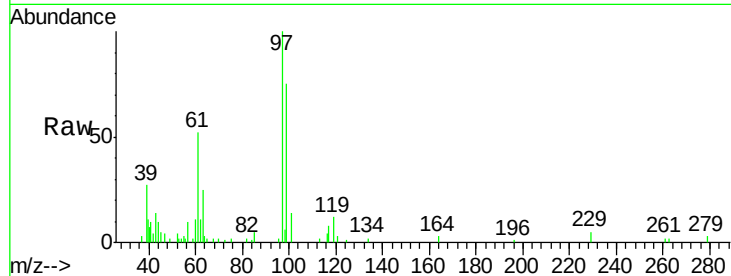
ClientSampleId :

SG-2-MUSIC-RM

Tot Ion:	97	Resp:	20494
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.3	78.5#
61	57.8	42.8	64.2

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

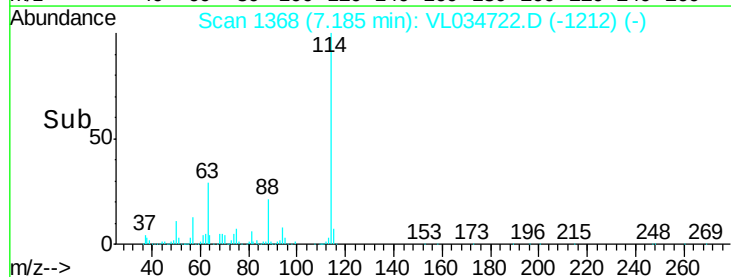
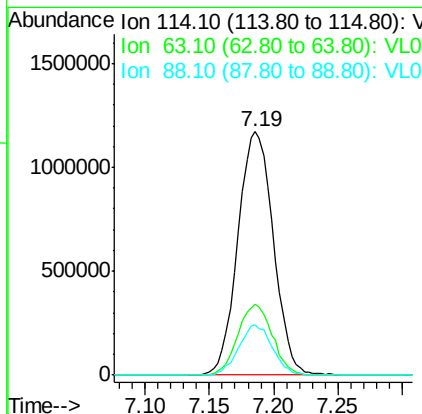
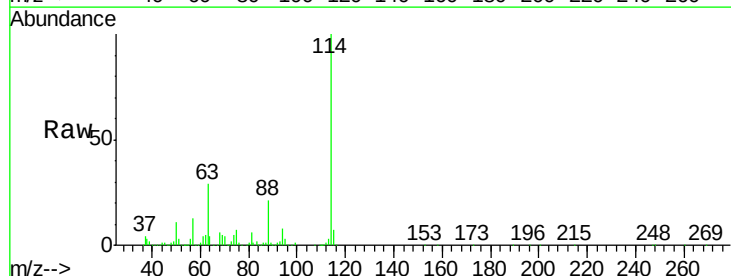
RT: 7.19 min Scan# 1368

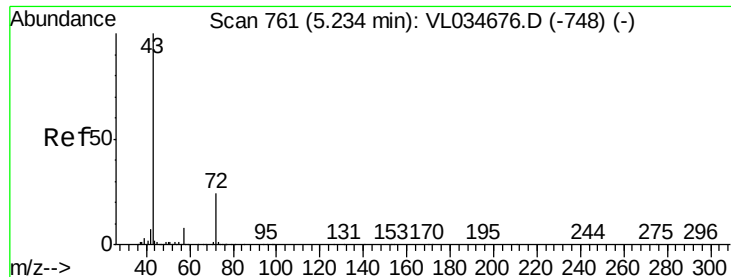
Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Tgt Ion:	114	Resp:	2246154
Ion Ratio	Lower	Upper	
114	100		
63	28.5	22.9	34.3
88	19.6	15.8	23.6





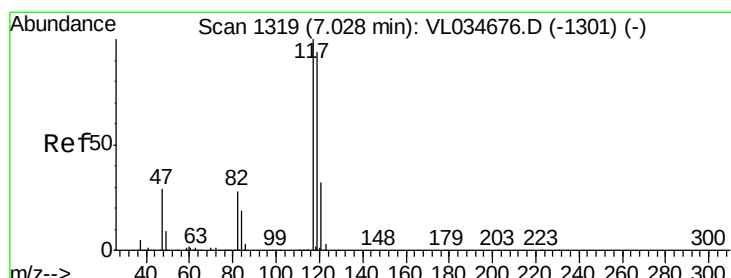
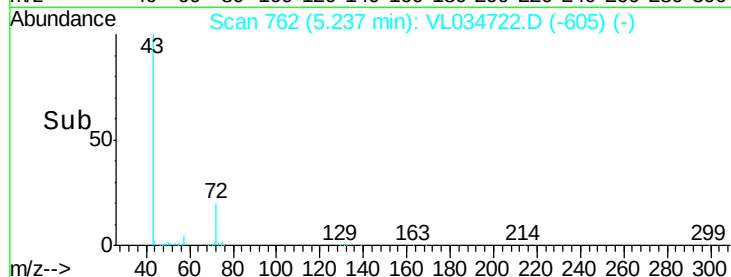
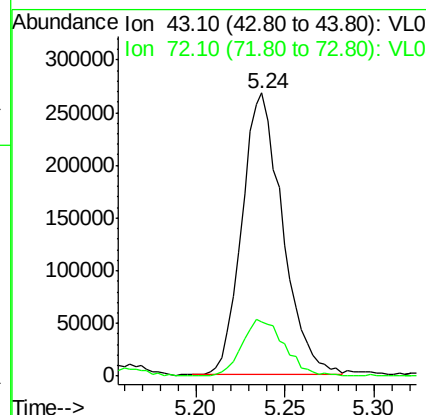
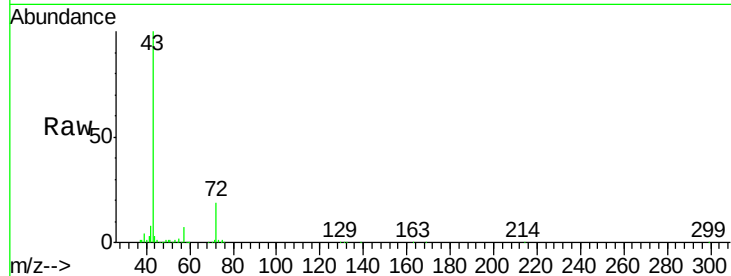
#34
2-Butanone
Concen: 2.988 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Tot Ion	43	Resp	422447
Ion Ratio	Lower	Upper	
43	100		
72	21.3	18.2	27.2

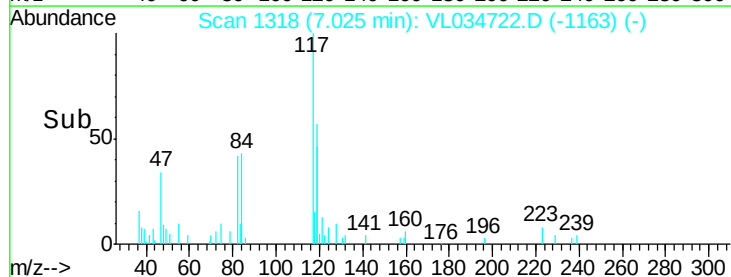
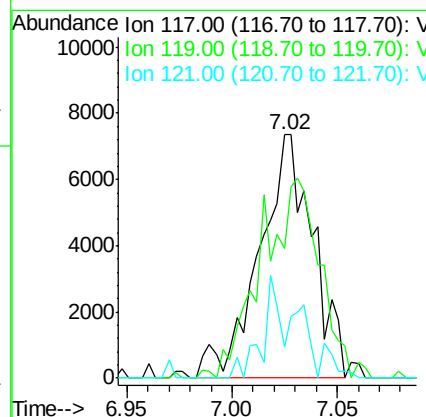
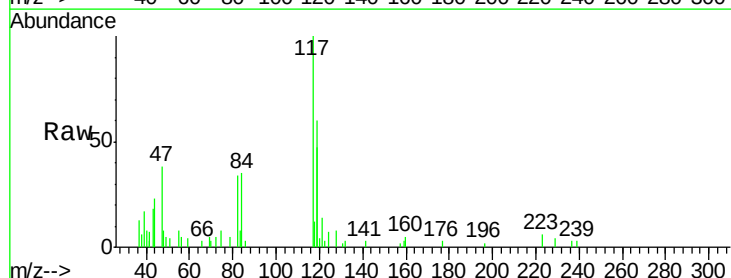
Manual Integrations
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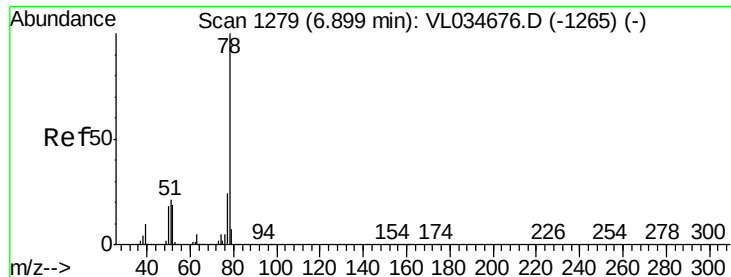
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#35
Carbon Tetrachloride
Concen: 0.086 ppbv m
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion	117	Resp	12945
Ion Ratio	Lower	Upper	
117	100		
119	59.8	75.5	113.3#
121	14.1	25.4	38.0#





#36

Benzene

Concen: 0.509 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

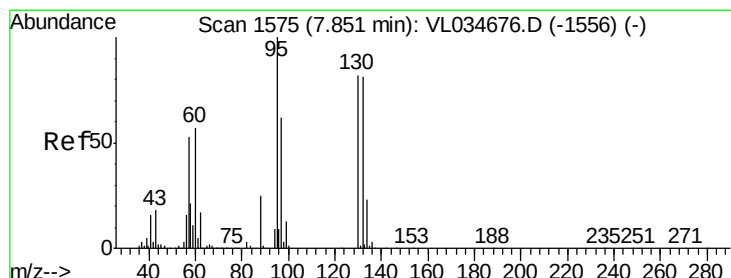
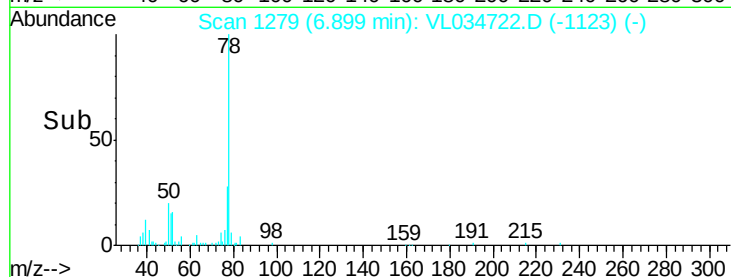
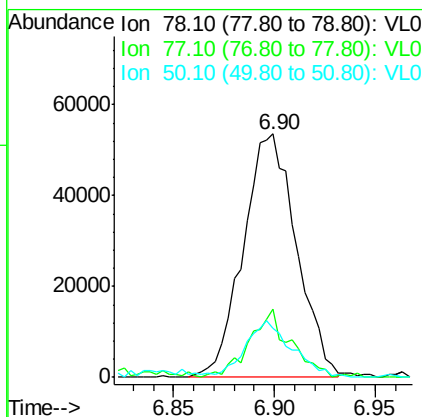
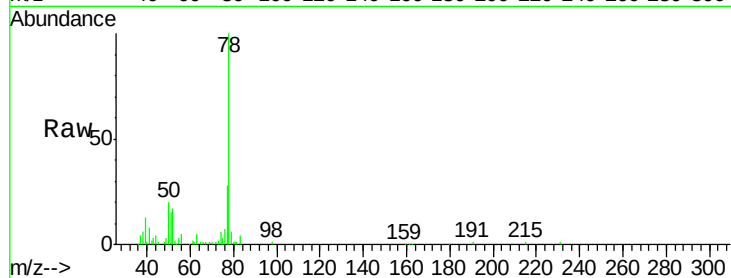
ClientSampleId :

SG-2-MUSIC-RM

Tot Ion:	78	Resp:	98689
Ion Ratio	Lower	Upper	
78	100		
77	26.1	19.5	29.3
50	18.7	14.6	21.8

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#38

Trichloroethene

Concen: 9.236 ppbv

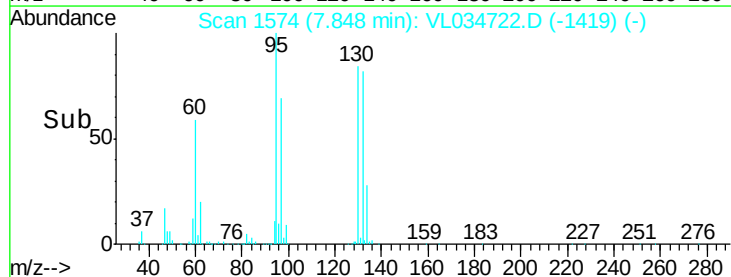
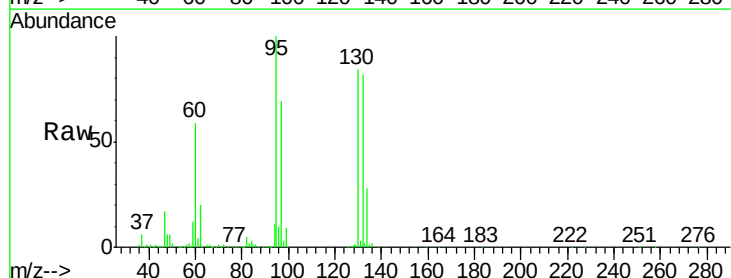
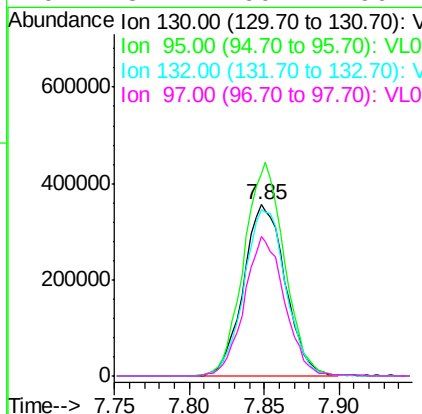
RT: 7.85 min Scan# 1574

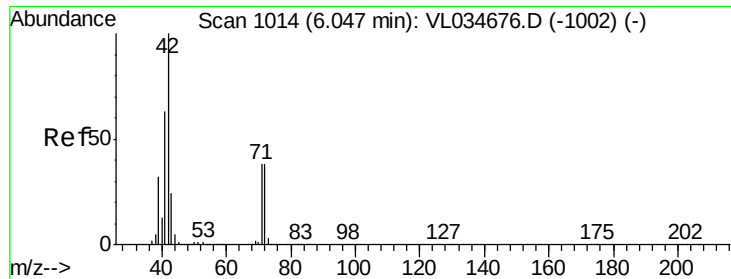
Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Tgt Ion:	130	Resp:	690641
Ion Ratio	Lower	Upper	
130	100		
95	118.6	97.1	145.7
132	97.5	78.3	117.5
97	81.4	60.1	90.1





#41

Tetrahydrofuran

Concen: 2.759 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

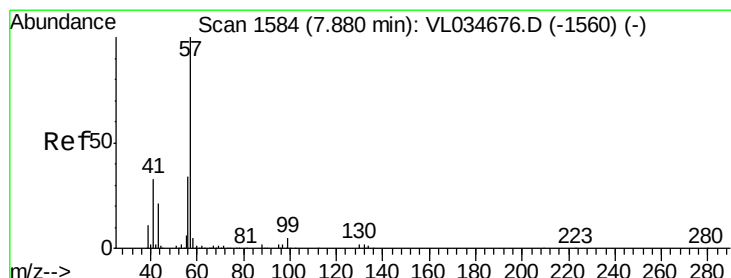
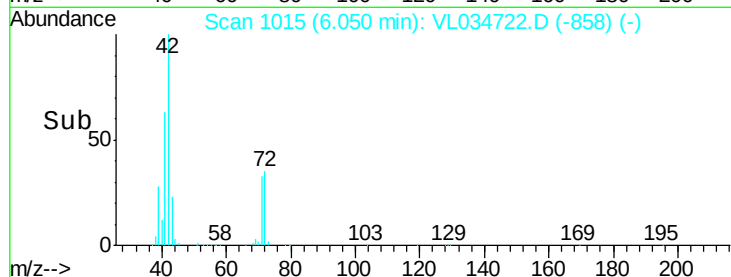
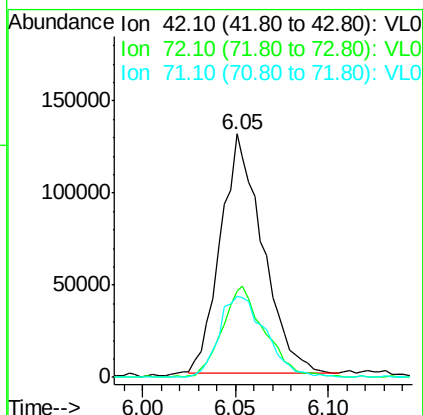
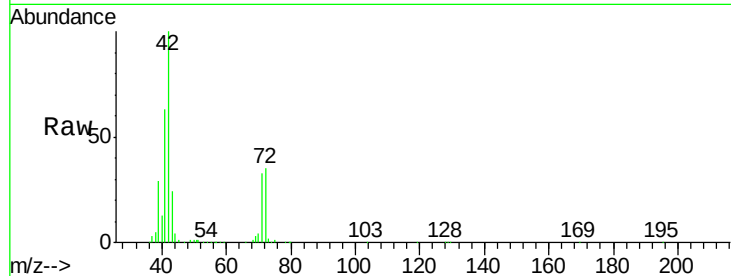
ClientSampleId :

SG-2-MUSIC-RM

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.7	47.5
71	38.0	30.7	46.1

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#44

2,2,4-Trimethylpentane

Concen: 0.738 ppbv m

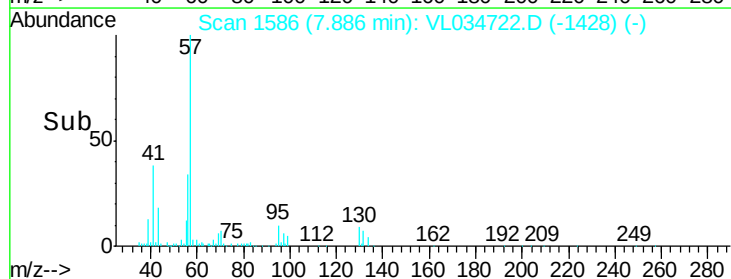
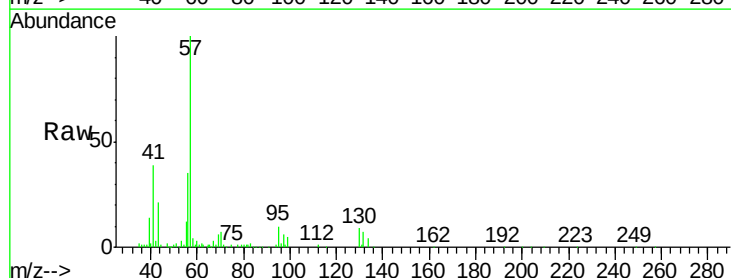
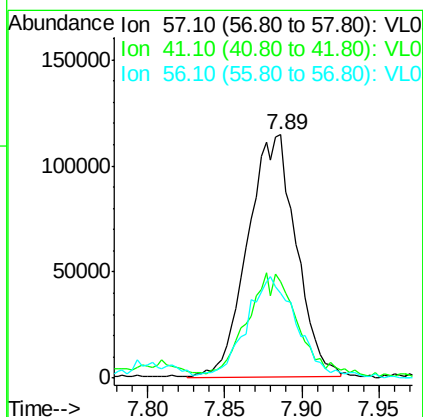
RT: 7.89 min Scan# 1586

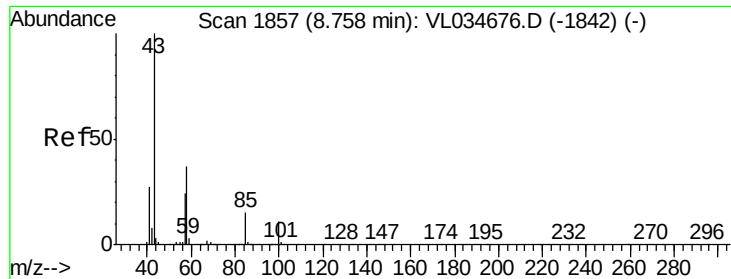
Delta R.T. 0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Lower	Upper
57	100		
41	44.2	26.0	39.0#
56	43.9	25.6	38.4#





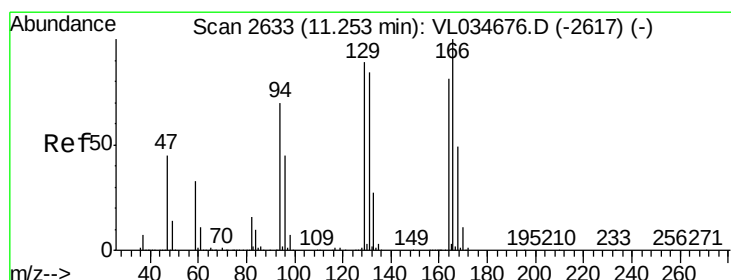
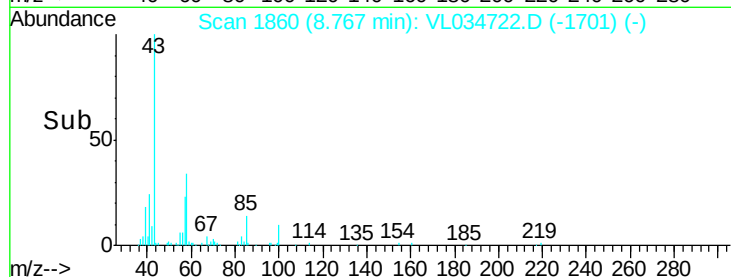
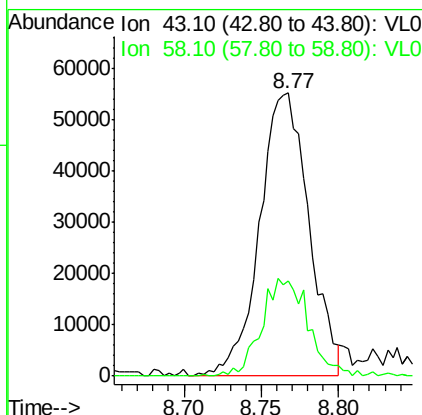
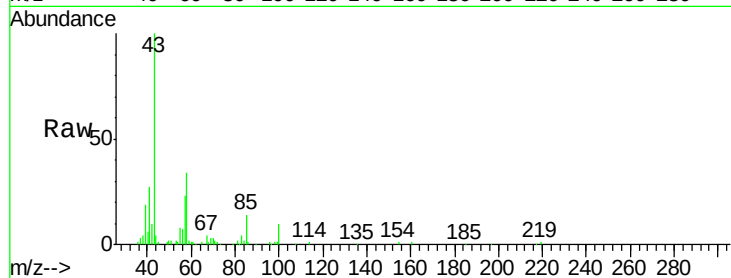
#50
4-Methyl-2-Pentanone
Concen: 0.611 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.9	29.0	43.6

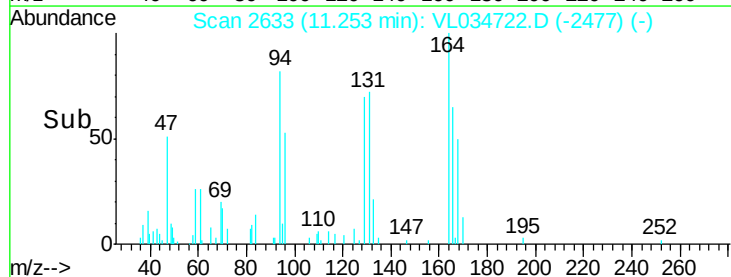
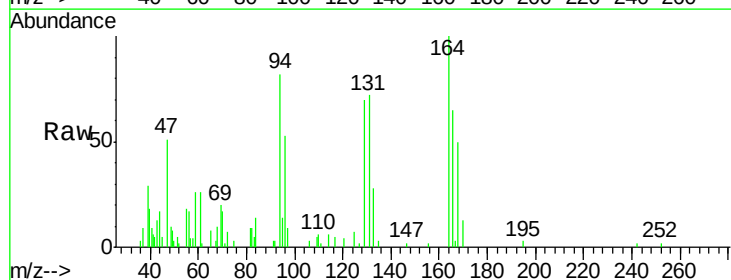
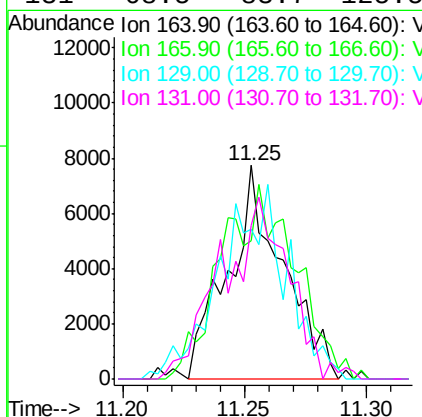
Manual Integrations
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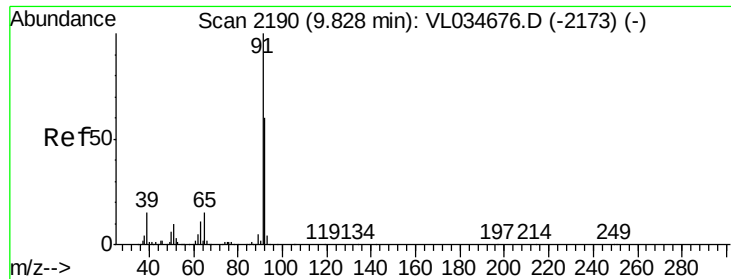
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#52
Tetrachloroethene
Concen: 0.170 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	62.7	99.2	148.8#
129	65.2	88.0	132.0#
131	68.5	83.7	125.5#





#53

Toluene

Concen: 4.901 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

Tot Ion: 91 Resp: 1011177

Ion Ratio Lower Upper

91 100

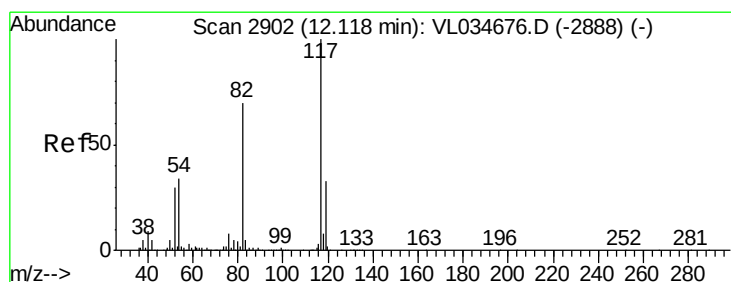
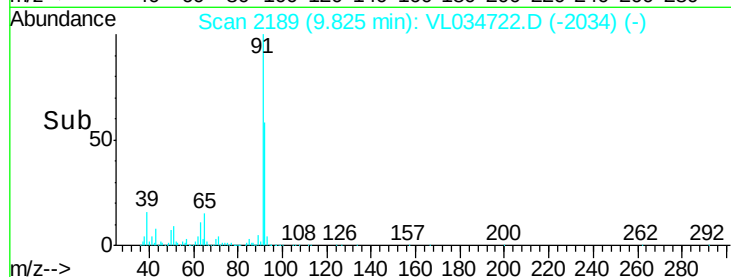
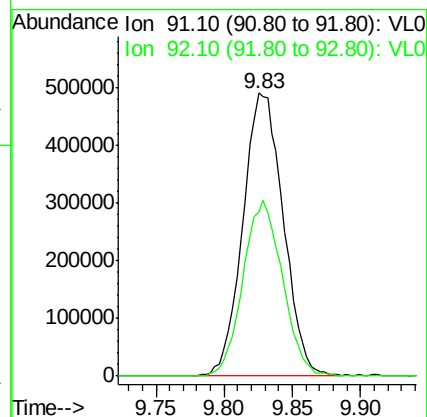
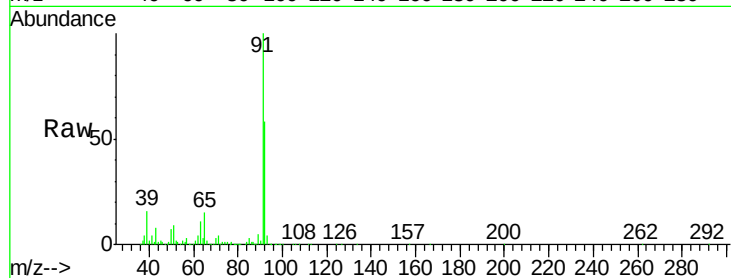
92 60.6 48.5 72.7

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

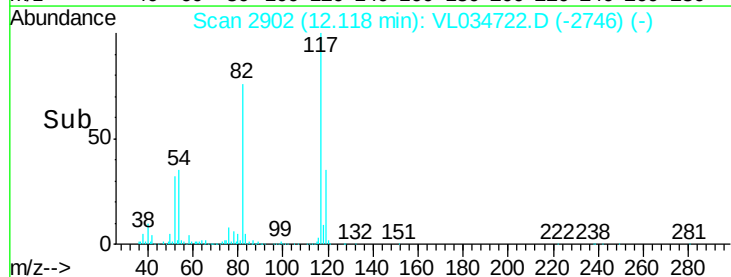
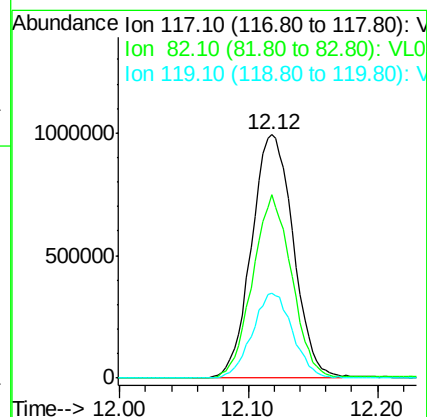
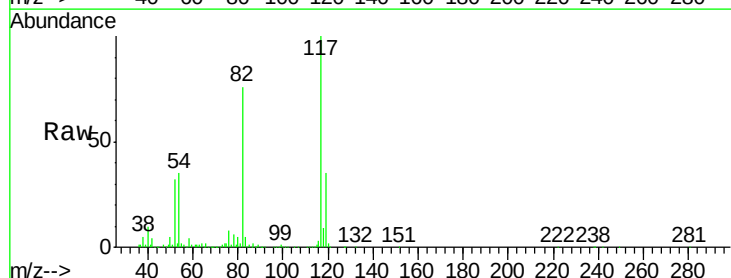
Tgt Ion: 117 Resp: 2241818

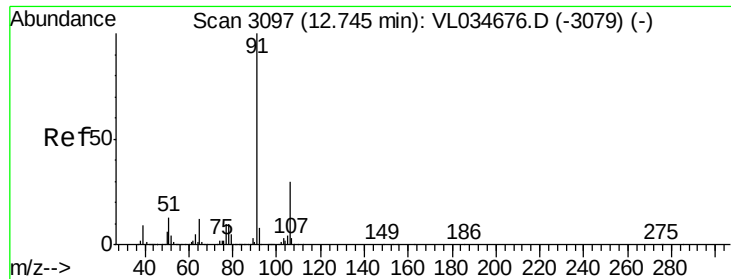
Ion Ratio Lower Upper

117 100

82 71.1 54.1 81.1

119 34.0 27.6 41.4





#58

Ethyl Benzene

Concen: 0.981 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

Tot Ion: 91 Resp: 266005

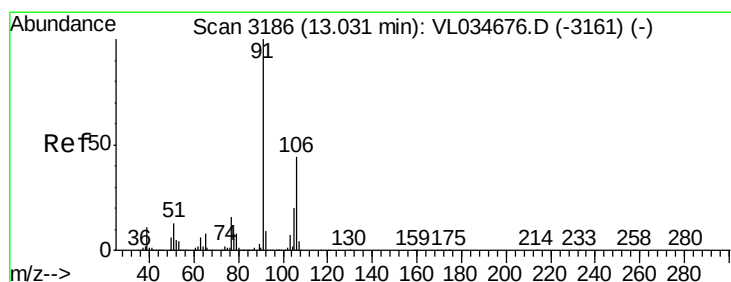
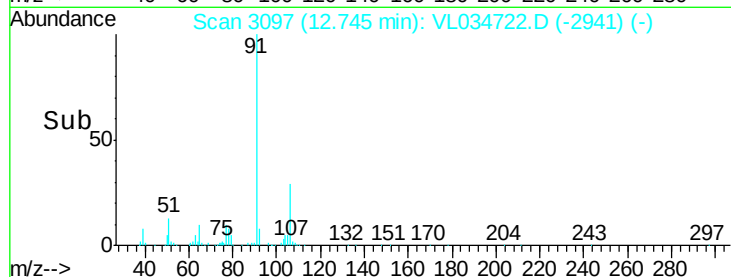
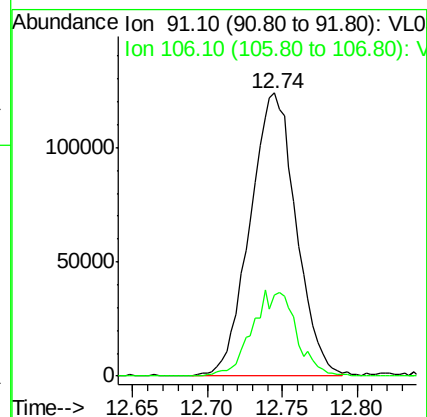
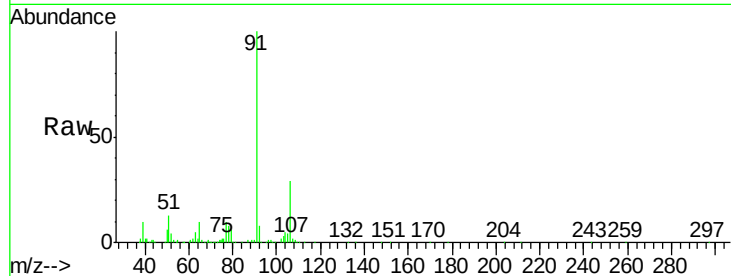
Ion Ratio Lower Upper

91 100

106 28.5 24.0 36.0

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#59

m/p-Xylene

Concen: 3.301 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.03 min

Lab File: VL034722.D

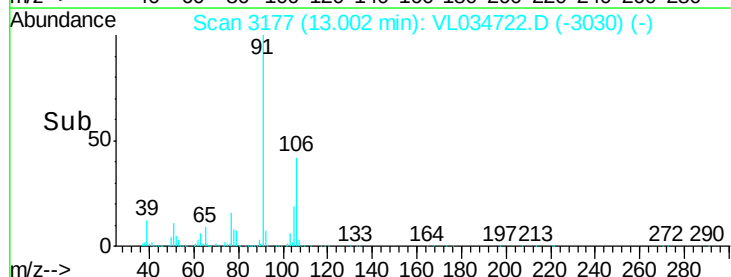
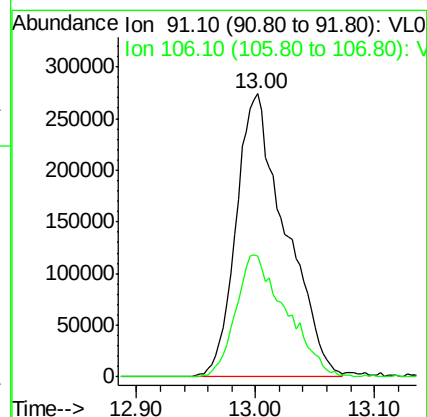
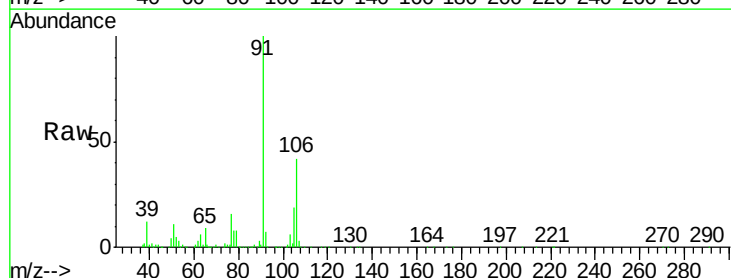
Acq: 27 Feb 2020 23:56

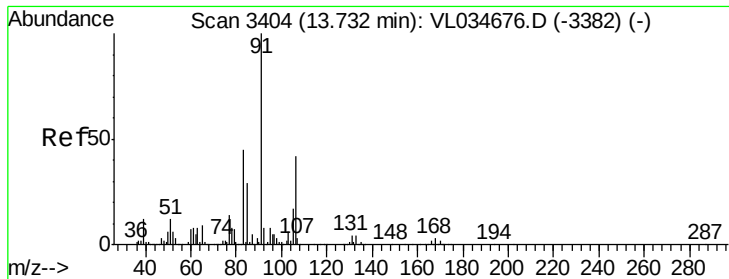
Tgt Ion: 91 Resp: 781005

Ion Ratio Lower Upper

91 100

106 44.3 35.6 53.4





#60

o-Xylene

Concen: 1.373 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. -0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RM

Tot Ion: 91 Resp: 322368

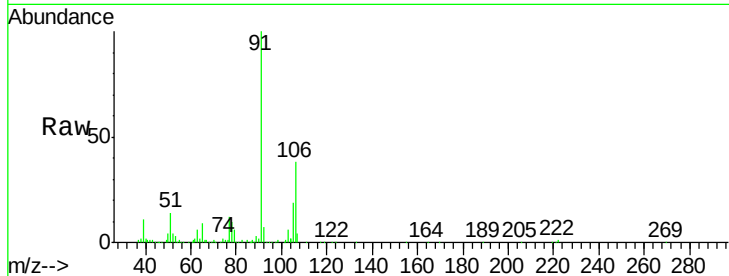
Ion Ratio Lower Upper

91 100

106 42.3 21.9 65.5

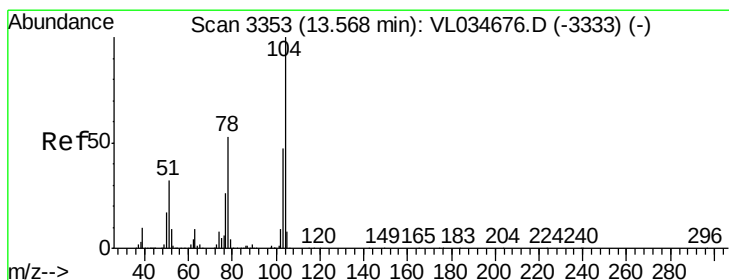
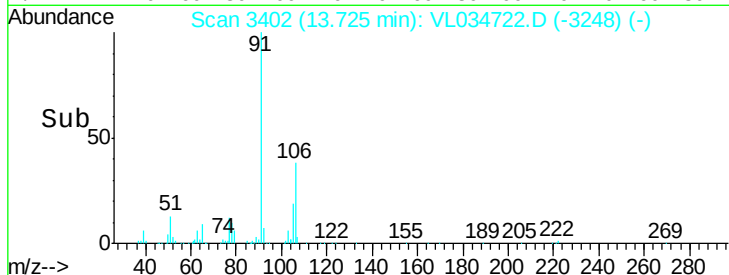
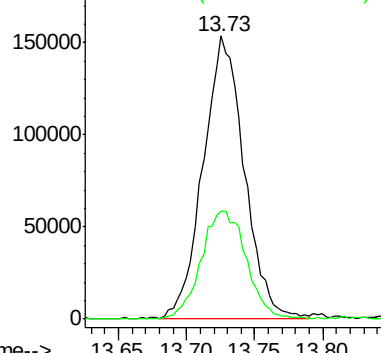
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.154 ppbv m

RT: 13.56 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

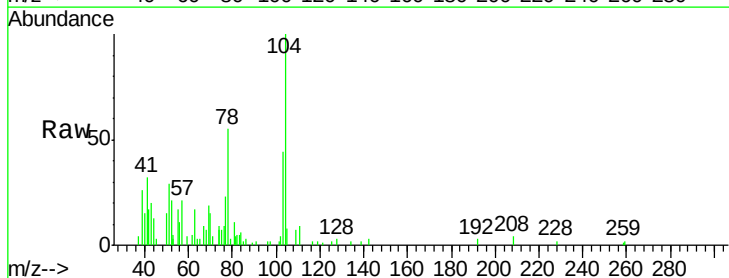
Tgt Ion: 104 Resp: 23249

Ion Ratio Lower Upper

104 100

78 65.9 44.2 66.4

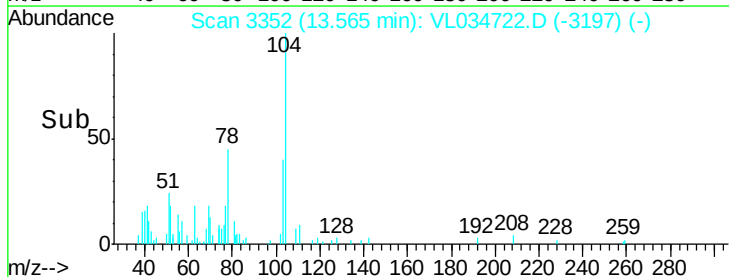
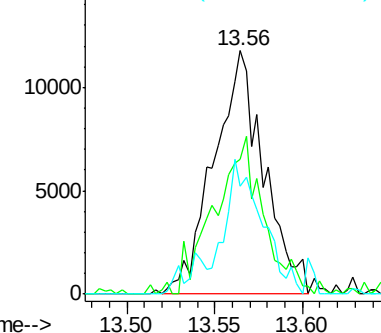
103 50.2 37.4 56.0

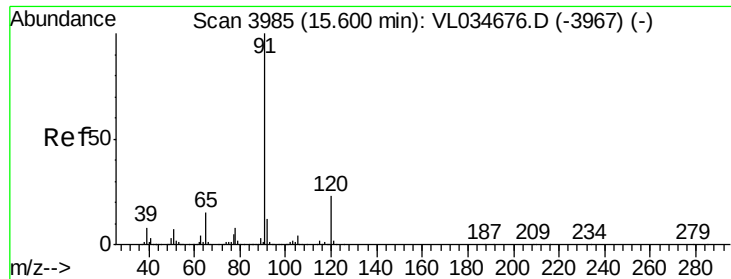


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





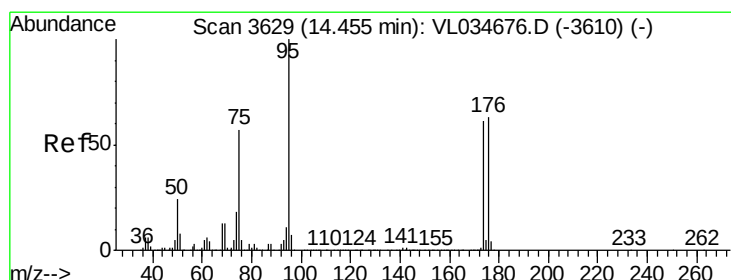
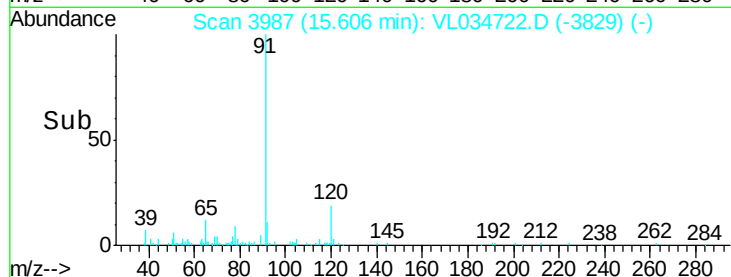
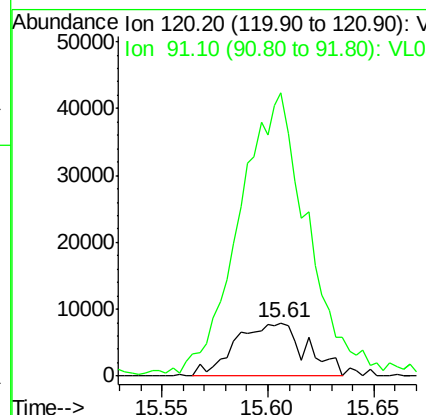
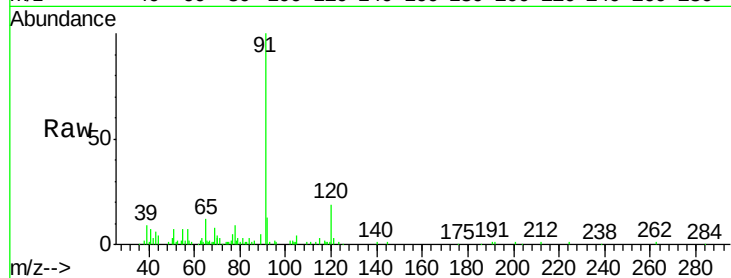
#64
n-propylbenzene
Concen: 0.208 ppbv m
RT: 15.61 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RM

Tot Ion:120 Resp: 18383
Ion Ratio Lower Upper
120 100
91 532.7 369.8 554.8

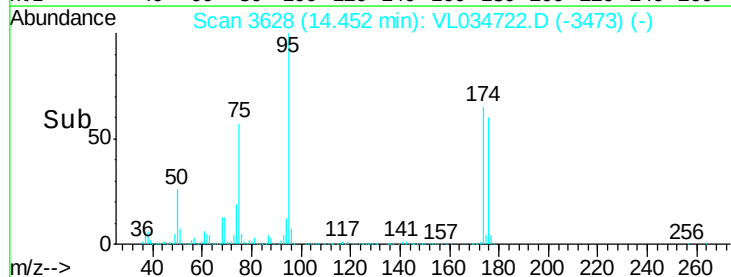
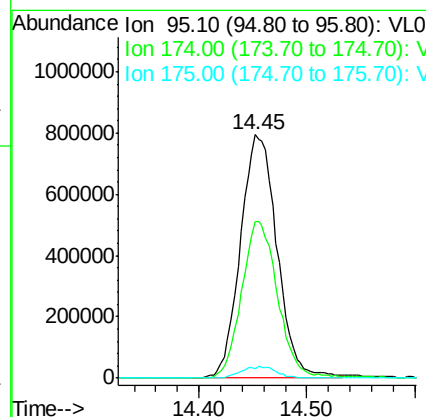
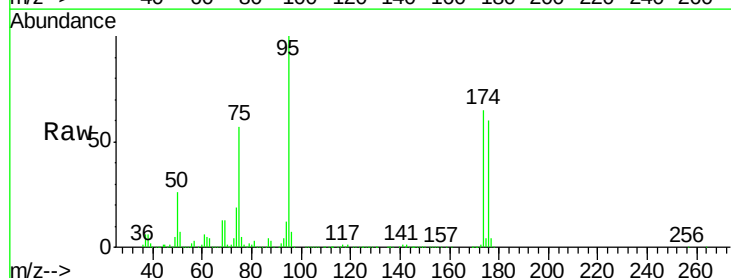
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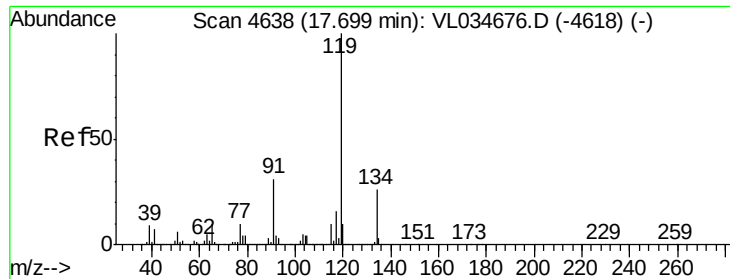
MMDadoda
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.211 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL034722.D
Acq: 27 Feb 2020 23:56

Tgt Ion: 95 Resp: 1876918
Ion Ratio Lower Upper
95 100
174 64.3 50.7 76.1
175 4.6 3.9 5.9





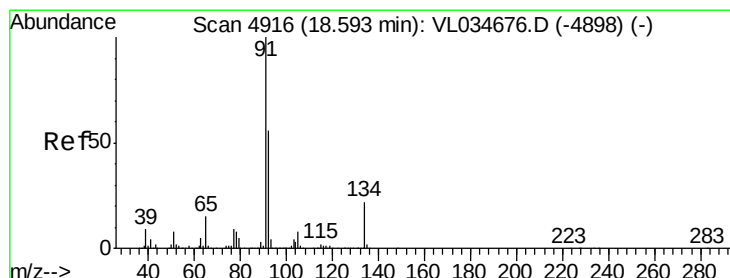
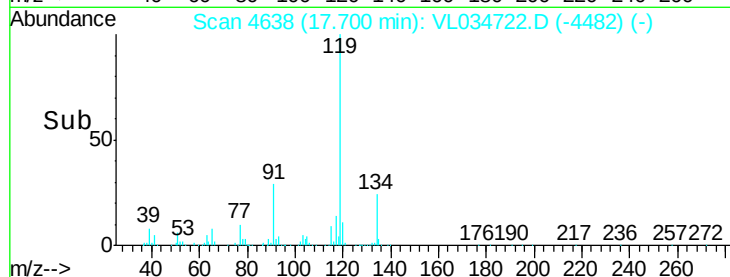
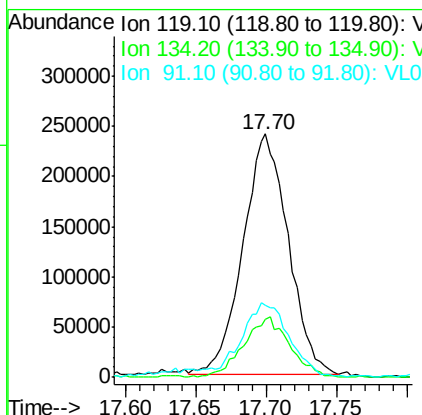
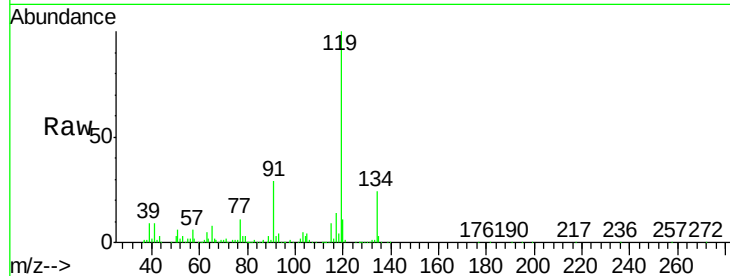
#69
 p-Isopropyltoluene
 Concen: 1.527 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. 0.00 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

Tot Ion	Ratio	Resp	Lower	Upper
119	100	534901		
134	25.8	20.6	31.0	
91	35.7	25.3	37.9	

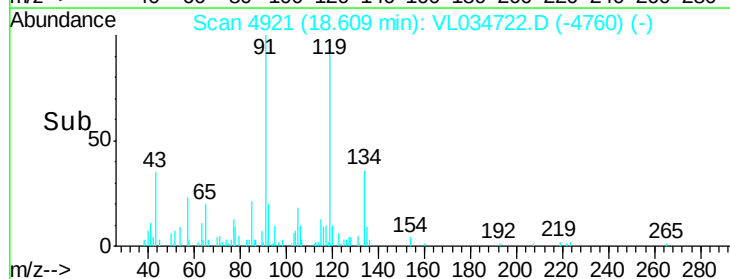
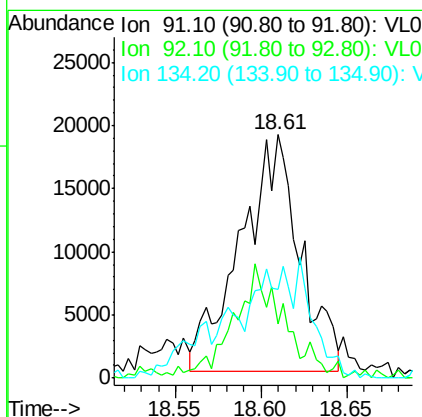
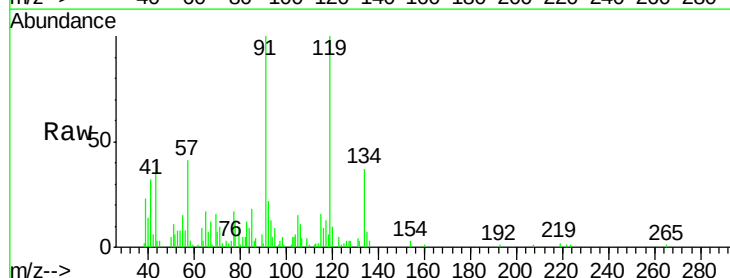
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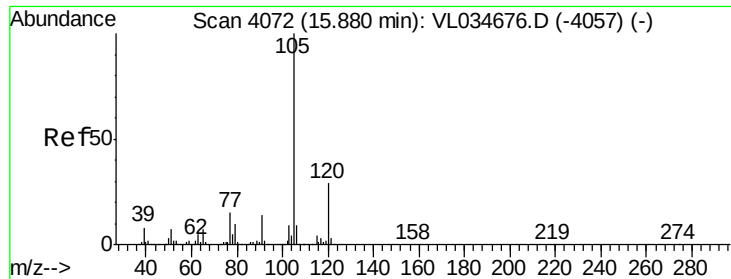
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#70
 n-Butylbenzene
 Concen: 0.118 ppbv m
 RT: 18.61 min Scan# 4921
 Delta R.T. 0.02 min
 Lab File: VL034722.D
 Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	45134		
92	0.0	43.8	65.6#	
134	67.0	17.6	26.4#	





#72

4-Ethyltoluene

Concen: 0.436 ppbv m

RT: 15.88 min Scan# 4072

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

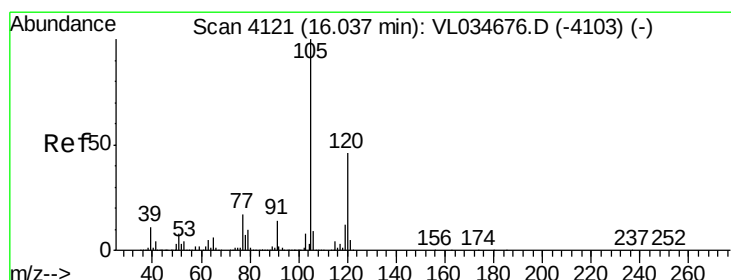
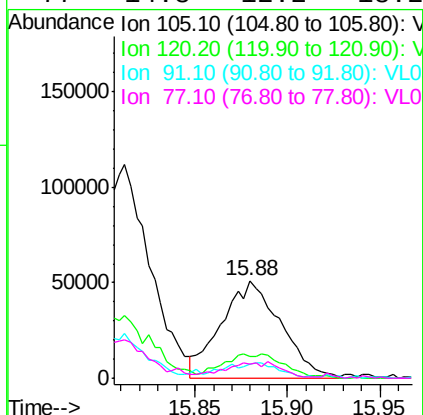
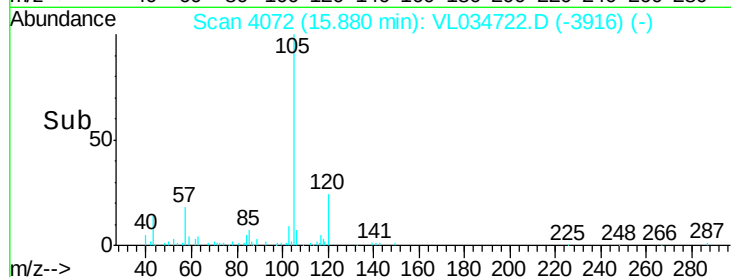
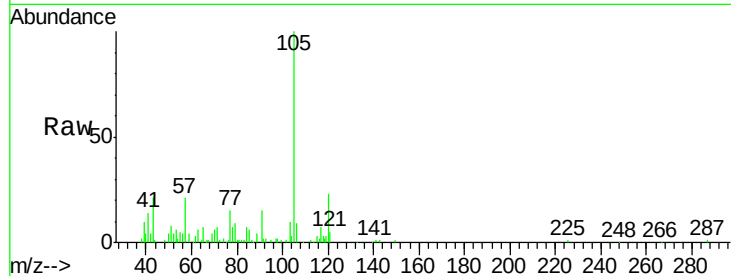
ClientSampleId :

SG-2-MUSIC-RM

Tot Ion	Ratio	Resp	Lower	Upper
105	100	113951		
120	25.6	23.7	35.5	
91	17.6	10.9	16.3	
77	14.8	12.2	18.2	

Manual Integrations
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#73

1,3,5-Trimethylbenzene

Concen: 0.349 ppbv

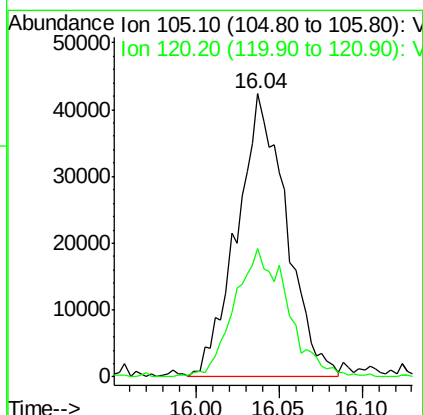
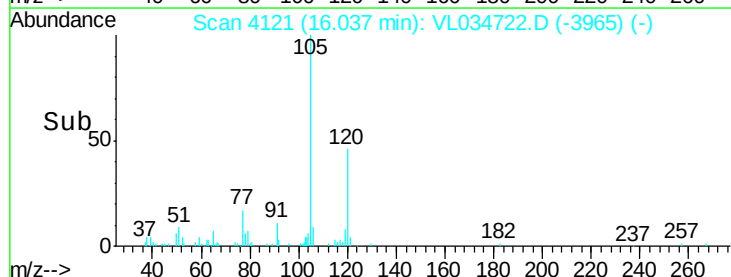
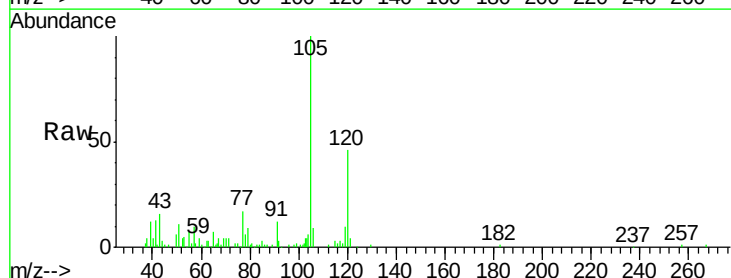
RT: 16.04 min Scan# 4121

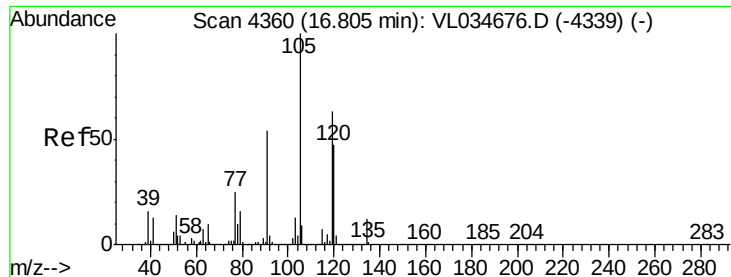
Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	87605		
120	45.1	37.1	55.7	





#74

1,2,4-Trimethylbenzene

Concen: 1.391 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

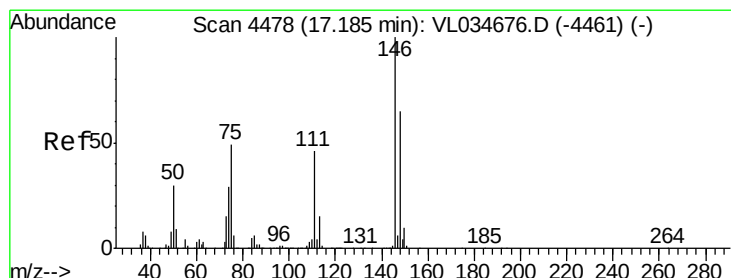
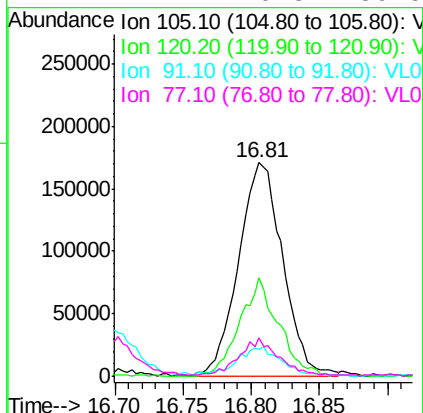
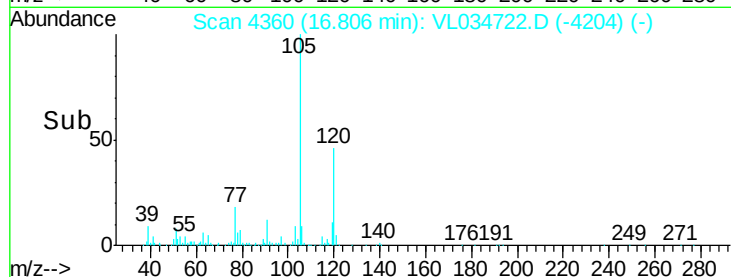
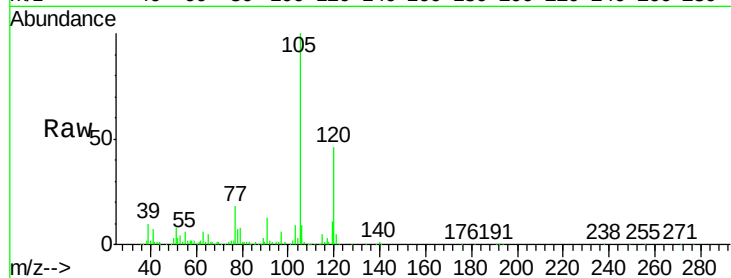
ClientSampleId :

SG-2-MUSIC-RM

Tot Ion	Ratio	Resp	Lower	Upper
105	100	386022		
120	45.8	37.9	56.9	
91	11.7	43.9	65.9	
77	17.7	20.3	30.5	

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 0.190 ppbv

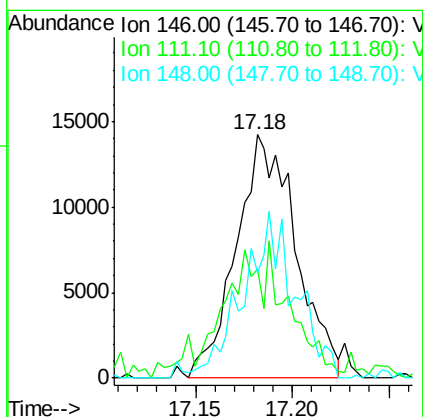
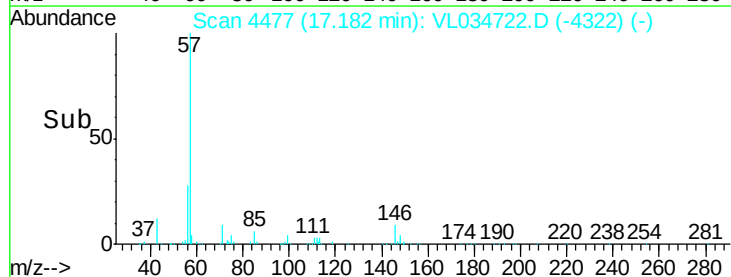
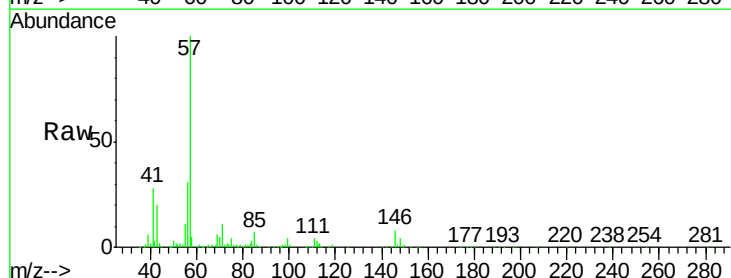
RT: 17.18 min Scan# 4477

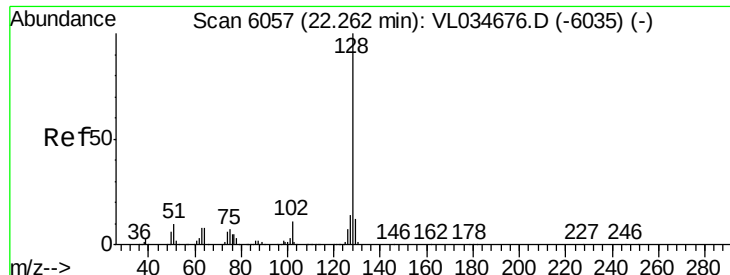
Delta R.T. -0.00 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	30488		
111	60.5	23.4	70.0	
148	61.0	31.9	95.5	





#79

Naphthalene

Concen: 0.288 ppbv m

RT: 22.27 min Scan# 6060

Delta R.T. 0.01 min

Lab File: VL034722.D

Acq: 27 Feb 2020 23:56

Instrument :

MSVOA_L

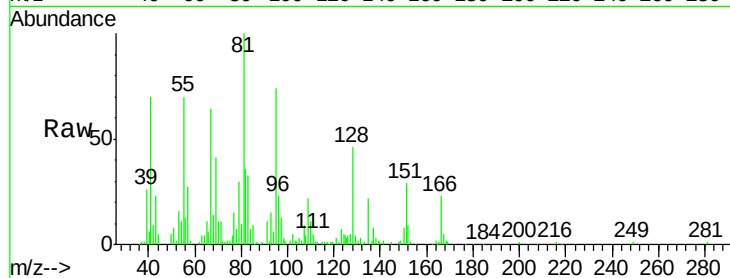
ClientSampleId :

SG-2-MUSIC-RM

Tot Ion:	128	Resp:	70457
Ion Ratio		Lower	Upper
128	100		
127	11.9	11.0	16.6
129	9.3	9.4	14.2

Manual Integrations
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

